

CURRICULUM VITAE

Professor Kalai Mathee, MSc, PhD

faculty.fiu.edu/~matheek

ORCID: orcid.org/0000-0003-4569-5419

Florida International University

TABLE OF CONTENTS FOR CURRICULUM VITAE

No	Subject	Page No
1	MINI-BIO	4
1.1	SUMMARY	4
1.2	NUMBER OF PUBLICATIONS	7
1.3	NUMBER OF PRESENTED LECTURES AND PAPERS	7
1.4	NUMBER OF MENTEES	7
2	EXTENDED CV	8
2.1	EDUCATION	8
2.2	FULL-TIME ACADEMIC EXPERIENCE	8
2.3	PART-TIME ACADEMIC EXPERIENCE	9
2.4	NON-ACADEMIC EXPERIENCE	10
2.5	EMPLOYMENT RECORDS AT FIU	10
2.6	PROFESSIONAL HONORS, PRIZES AND FELLOWSHIPS	11
	International	11
	National	12
	Local	12
	University	12
	Media & Web Stories	13
2.7	PATENT DISCLOSURES & SYNERGESTIC ACTIVITIES	14
	Patents, IPs & Licenses	14
	Synergistic Activities	14
	Creative Activities	15
2.8	PUBLICATIONS	17
	Invited Papers in Professional Journals	17
	Peer Reviewed Research Articles	18
	Proceedings	24
	Book Chapters	24
	Invited Extended Abstracts	25
	Non-Peer Reviewed Research Articles	26
	Other Publications/Books	26
	Editorials	26
	Theses and Dissertation	26
	Publications outside discipline	27
	Book	27
9	PRESENTED LECTURES AND PAPERS	27
	Keynote & Plenary Lectures	27
	Invited Lectures	28

	Oral Presentations at Conferences	34
	Oral Presentations at Conferences or other venues by Students/Fellows	35
	Poster Presentations at Conferences by Students/Fellows	42
10	FUNDING	54
	External Funding as PI for Research	54
	External Funding as Co-PI for Research	54
	Internal Funding for Research	55
	Major External Funding for Conferences	56
11	MENTORING (SCHOLARS & STUDENTS)	57
	Pathology Residents	57
	Visiting Scholars	57
	Visiting Students	58
	Research Assistant Professor/Research Analyst	59
	Postdoctoral Fellows	62
	Graduate Students	64
	Graduate Students - Coadvised	69
	Graduate Students – Those Moved On	70
	Undergraduate Students with Theses	70
	Undergraduate Students without Theses	73
	Middle and High School Students	75
	Technicians/Lab Managers/OPS	76
	Department Staff and Students Assistants	77
12	ADVISEE AWARDS	77
	Mini Grants and Research Fellowships	77
	Conference Awards	80
	Other Accolades	83
13	TEACHING	85
	FIU Herbert Wertheim College of Medicine	85
	FIU College of Arts and Science	86
14	OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE	87
	Editorial Boards	87
	Journal Reviews	87
	Grant Reviews	88
	Tenure & Promotion Committee Reviewer	88
	International External Examiner	89
	Conference Committees	89
	Others	90
	FIU Services	90

1. MINIBIO

1.1 Summary

Kalai Mathee is the **first** Florida International University (FIU) faculty member **inducted as a Fellow** of the [American Academy of Microbiology](#). Mathee is a professor and researcher at the FIU Herbert Wertheim College of Medicine (HWCOM). Of the two Malaysians ever inducted, she is the second and the first woman who was also educated in her vernacular language of Tamil.

She is one of 68 new fellows selected by the Academy this year. The Academy is the honorific leadership group within the [American Society for Microbiology](#), one of the oldest and largest life science societies in the world. The fellows are voted-in through a highly selective peer-review process that focuses on their original contributions to advance science and microbiology. The following countries are represented in the class of 2020: Australia, Austria, Brazil, Chile, China, France, Germany, Israel, Switzerland, the United Kingdom, and the United States. The fellows came from many prestigious institutions — Harvard, University of California-Berkely, University of Wisconsin-Madison, University of California-San Francisco, Johns Hopkins, Max Plank Institute, University of Cambridge, to name a few.

Mathee joined FIU in 1999 as an assistant professor in the Department of Biological Sciences. When the FIU medical school was created, she became the first founding faculty and the founding chair of the HWCOM Department of Molecular Microbiology and Infectious Diseases. She rose up to the rank of Professor in 2010. She founded the FIU Global Health Conference in 2011 and the Global Health Consortium in 2014. In 2011, she was received [Faculty Award for Excellence in Mentorship](#). That was topped by [2011 President's Council Worlds Ahead Faculty Award](#), the highest honor at FIU. In 2014, she was one of the inaugural recipients of the international [New England Biolabs Passion in Science Award](#) for exemplary scientific mentorship and advocacy.

She has mentored 140+ individuals from professors to middle-school students. Along with her mentees, she has published more than 110 articles and several book chapters in the fields of alginate gene regulation, antimicrobial resistance, gut, and lung metagenome and microbiome, alternate therapeutics, forensic science, comparative genomics, and bioinformatics. She has four patents to her credit. She has given 120+ lectures across the globe. She also serves as the editor-in-chief along with Norman Fry of Public Health England of the [Journal of Medical Microbiology](#), the first international editor in its 50-year history.

Mathee received her PhD in molecular microbiology at the University of Tennessee, Memphis in 1992, and Masters in Public Health, majoring in health policy and management in 2018 from Florida International University. A native of Malaysia, she obtained a Bachelor of Science in Genetics (1984) and a Master of Science (1986) in Microbial Genetics from the University of Malaya.

- ◆ This section was in-part written by Ileana Varela, HWCOM

1.2 Summary

Professor Dr. Kalai Mathee, BSc (U Malaya '84), MSc (U Malaya, '86), PhD (U Tennessee-Memphis, '92), MPH (Florida International U, 2018)

Professor of Molecular Microbiology and Infectious Diseases

Herbert Wertheim College of Medicine
Florida International University (FIU)
Email: Kalai.Mathee@fiu.edu

Editor-in-Chief, Journal of Medical Microbiology
(URL://jmm.sgmjournals.org)
Email: mathee.jmm@gmail.com

Fellow, American Academy of Microbiology (2020)

• Education

- BSc — University of Malaya (Genetics) – 1980
- MSc — University of Malaya (Microbial Genetics) - 1986
- PhD — University of Tennessee-Memphis, USA (Microbiology & Immunology) – 1992
- MPH — Florida International University, USA (Health Policy and Management) – 2018

• Career

- Visiting Scientist in Denmark
- Assistant Professor, FIU — 1999-2005
- Associate Professor, FIU — 2005-2010
- Sabbatical as Visiting Professor in Harvard Medical School — 2006-7
- Assistant Dean, HWCOM, FIU — 2013
- Sabbatical as Scientist, Pan American Health Organization — 2014
- Sabbatical as Scientist, Sabin Vaccine Institute — 2014
- Founding Director, Global Health Consortium— 2014-2016
- Professor of Molecular Microbiology and Infectious Diseases FIU — 2010 -

• Research

- Received over 2 million dollars in research funding
- Published 110+ articles and book chapters in the fields of molecular microbiology, microforensic science and bioinformatics. Many of which are recognized as seminal and have been selected for journal highlights.
- In 2008, one of her papers in the Proceedings of National Academy of Sciences was selected by the Faculty of 1000 Biology members, a much-coveted honor
- Mentored over 140 individuals at all levels — middle school to professors

• Accolades

- First to go to University in my family, to get a MS and a PhD
- First to become a faculty member and professor
- First founding faculty member of Herbert Wertheim College of Medicine, Florida International University (FIU)
- Founding chair of the Department of Molecular Microbiology and Infectious Diseases, Herbert Wertheim College of Medicine, FIU
- Founder and Founding Director of FIU Global Health Consortium (2014), FIU

- Member, National Academy of Inventors (Have **four patents**)
- 2011 — FIU **Mentor of the year award**.
- 2011 — The President's Council **Worlds Ahead Faculty Award** (Faculty of the Year among 1140) in recognition of outstanding achievement as a student-centered professor who makes an impact and exceeds expectations.
- 2014 — New England Biolabs **Inaugural Passions in Science Award**
- Served as an Editor, and Section Editor for Journal of Medical Microbiology.
- April 2017, became the **first international Editor-in-Chief** for the Journal of Medical Microbiology.
- February 2020, became the first Malaysian female inductee into **American Academy of Microbiology**
- Philanthropist
 - Have helped FIU to establish several endowments including one with her husband (<https://fiu.planmygift.org/donor-stories/dr-giri-narasimhan-and-dr-kalai-mathee>)
 - 2014 — received the **Torch Bearer Award** along with my spouse from FIU for our legacy giving
 - 2017 — donated \$25,000 RM towards the Tamil School Library
 - Helped to establish the following endowments in FIU:
 - RJ Smiddy for Excellence in Undergraduate Research
 - Melita Jaric Travel Award for Graduate Students
 - Barbara Bader Endowment for Leadership
 - Reverend Martin Luther King Jr Scholarship
 - Robert M. Coatie MLK Youth Forum
 - Reverend Martin Luther King Jr Breakfast Speaker (Dotson Family)
- Conference Chairs
 - Served as International Chair for many conferences.
 - **International Chair** for the 15th Asian Conference on Transcription – 2017, hosted it in Penang, Malaysia. Participants for 12 countries convened for 5 days.
 - **International Chair** for the 17th Biennial Pseudomonas Conference – 2019, hosted it in Kuala Lumpur, Malaysia. Participants for 31 countries convened for 5 days.
- Others
 - Serve on university international boards (Malaysia and India)
 - Serve as the international examiner for PhD dissertations (Malaysia, India, Africa)
 - Reviewer of grants for the USA (NIH), India, Canada, other European countries
 - Featured in many media and web stories
 - Have given 5 keynote lectures, 102 invited lectures, 17 oral presentations at conferences
 - Have curated exhibitions in the museum and **founded the MLK@The Frost**, an annual exhibit at the Frost museum to honor Rev Dr. Martin Luther King
 - **Founded** the MLK Hall of Fame to honor alumni of color
- Media and Web stories
 - <http://www.youtube.com/watch?v=wacRdh0ekiQ>
 - <http://www.youtube.com/watch?v=c-NxMtujuWE&feature=youtu.be>

1.2. PUBLICATIONS

Invited Papers in Professional Journals	14
Peer Reviewed Research Articles	67
Book Chapters	8
Proceedings	12
Invited Extended Abstracts	3
Non-Peer Reviewed Research Article	1
Other Publications/Books	6
Theses and Dissertation	3
Publications Outside Discipline	1
Editorials	6
Book	1
TOTAL	122

1.3. PRESENTED LECTURES AND PAPERS

Keynote & Plenary Lectures	5
Invited Lectures	102
Oral Presentations at Conferences	17
Oral Presentations at Conferences or other venues by Students/Fellows	74
Poster Presentations at Conferences by Students/Fellows	139
TOTAL	337

1.4. NUMBER OF MENTEES

Pathology Residents	4
Visiting Scholars	9
Visiting Students	14
Research Assistant Professor/Research Analyst	3
Postdoctoral Fellows (5, One is included as Research Analyst)	4
Graduate Students (9 PhD)	18
Undergraduate Students with Theses	23
Undergraduate Students without Theses	27
Middle and High School Students	20
Lab — Managers/Technician/OPS Students	7
Liberian mentees – not listed below	13
TOTAL	142

2. EXTENDED CV

2.1. EDUCATION

Degree	Institution	Field	Dates
MPH	Florida International University	Health Policy and Management	Fall 2015 – Spring 2018
Postdoctoral Fellow	University of Tennessee Medical School Memphis, Tennessee <i>Mentor: Prof. Dennis Ohman</i>	<i>Pseudomonas aeruginosa</i> pathogenesis	1993 – 1999
Postdoctoral Fellow	Tufts Medical School Boston, Massachusetts <i>Mentor: Prof. Andrew Wright</i>	<i>Helicobacter pylori</i> Pathogenesis	May 1992 – May 1993
PhD	University of Tennessee Medical School Memphis, Tennessee <i>Mentor: Prof. Martha M. Howe</i>	Molecular Biology (Phage Mu Transcription)	1986 – 1992
MSc	University of Malaya Kuala Lumpur, Malaysia <i>Mentor: Prof. Chong-Lek Koh</i>	Molecular Biology <i>Neisseria gonorrhoeae</i> resistance	1984 – 1986
BSc	University of Malaya Kuala Lumpur, Malaysia <i>Mentor: Prof. T.K. Mukharjee</i>	Genetics (Animal breeding)	1980 – 1984
Certificates	Topics	Dates	
FEMA Emergency Management Institute	IS-100.hcb: Introduction to the Incident Command System for Healthcare/Hospitals	Januray 23, 2018	
	IS-130: Exercise Evaluation and Improvement Planning	Januray 25, 2018	
	IS-200.hca: Introduction to Healthcare Organizations	Januray 23, 2018	
	IS-235.c: Emergency Planning	Januray 9, 2018	
	IS-453: Introduction to Homeland Security Planning	Januray 24, 2018	
	IS-520: Introduction to Continuity of Operations Planning for Pandemic Influenzas	Januray 18, 2018	
	IS-547.a: Introduction to Continuity of Operations	Januray 19, 2018	
	IS-660: Introduction to Public-Private Partnerships	Januray 17, 2018	
	IS-808: Emergency Support Function 8 - Public Health and Medical Services	Januray 10, 2018	
	IS-909: Community Preparedness: Implementing Simple Activities	Januray 9, 2018	

2.2. FULL-TIME ACADEMIC EXPERIENCE

Institution	Rank	Field	Dates
Global Health Consortium, FIU	Founding Director	Global Health	Oct 2014 – Jan 2016

Department of Molecular and Human Genetics, Herbert Wertheim College of Medicine, FIU	Professor	Molecular Genetics	Sept 2013 – Present
Office of Student Affairs, Herbert Wertheim College of Medicine, FIU	Assistant Dean	Evaluation & Assessment	Sept 2013 – March 2014
Department of Molecular Microbiology and Infectious Diseases, Herbert Wertheim College of Medicine, FIU	Founding Chair	Molecular Microbiology and Infectious Diseases	Jan 2011 – August 2013
Department of Molecular Microbiology and Infectious Diseases, Herbert Wertheim College of Medicine, FIU.	Professor	Molecular Microbiology and Infectious Diseases	August 2010 – August 2013
Department of Molecular Microbiology and Infectious Diseases, Herbert Wertheim College of Medicine, FIU	Founding Chair (Interim)	Molecular Microbiology & Infectious Diseases	July 2007 – Dec 2010
Department of Biological Sciences, College of Arts and Sciences, FIU	Associate Professor	Pathogenic Microbiology	July 2005 – July 2007
Department of Biological Sciences, College of Arts and Sciences, FIU	Assistant Professor	Pathogenic Microbiology	Aug 1999 – June 2005

2.3. PART-TIME ACADEMIC EXPERIENCE

Institution	Rank	Field	Dates
Biomolecular Sciences Institute, College of Arts, Sciences and Education (CASE), FIU	Affiliated Faculty	Molecular Biology	Fall 2013 – Present
Department of Chemistry and Biochemistry, CASE, FIU	Affiliated Faculty	Molecular Biology/ Biochemistry	2010 [?] - Present
Alagappa University, Karaikudi, Tamil Nadu, India.	Visiting Eminent Professor	Biotechnology	April 2013
Department of Biomedical Engineering, College of Engineering and Computing Science, FIU	Affiliated Faculty	Molecular Biology	Sept 2009 – Present
Department of Biological Sciences, College of Arts and Sciences, FIU	Affiliated Faculty	Pathogenic Microbiology	July 2008 – Present
Department of Pathology, Mount Sinai Hospital, Miami Beach, Florida	Teaching Consultant	Molecular Diagnostics	April 2008 – 2011
A.M. Dogglioti School of Medicine, University of Liberia, Monrovia, Liberia	Visiting Professor	Bacteriology & Molecular Biology	June 2007
Department of Microbiology and Molecular Genetics, Harvard Medical School, Boston Visiting Associate Professor (Sabbatical — Lory Lab)	Visiting Associate Professor	Microbiology & Molecular Genetics	Aug 2006 – Dec 2007
Department of Molecular Biology, Massachusetts General Hospital, Boston, Massachusetts. (Sabbatical — Ausubel Lab)	Visiting Associate Professor	Microbiology & Molecular Genetics	Aug 2006 – June 2007
Center for Ethnobiology and Natural Products, FIU, Miami, Florida.	Core Member	Alternative Therapy for Infections	Fall 200 – Fall 2008

International Forensic Research Institute, FIU, Miami, FL.	Affiliated Faculty	Microbial Forensics	Fall 2001 – Present
Department of Clinical Microbiology, University Hospital (Rigshospitalet), Copenhagen, Denmark.	Research Adjunct Faculty	<i>Pseudomonas aeruginosa</i> Pathogenesis	Aug 1999 – 2005
Department of Microbiology, Technical University of Denmark, Lyngby & Department of Clinical Microbiology, University Hospital, Copenhagen, Denmark.	Visiting Scientist	<i>Pseudomonas aeruginosa</i> Biofilm Analysis	<ul style="list-style-type: none"> • May – July 2000 • May – Aug 1999 • May – Aug 1998 • April – Oct 1997
University of Tennessee Medical School, Memphis, Tennessee.	Teaching Assistant	Medical Microbiology	Fall 1987
Department of Genetics and Cellular Biology, University of Malaya, Malaysia.	Teaching Assistant	Microbial Genetics	1986
Department of Genetics and Cellular Biology, University of Malaya, Malaysia.	Tutor	Genetics	1984 – 1986

2.4. NON-ACADEMIC EXPERIENCE

Place of Employment	Title	Dates
Sustained Immunization Policy, Sabin Vaccine Institute, Washington, DC	Sabbatical Visitor/Volunteer	May – September 2014
Department of Communicable Diseases and Health Analysis Pan American Health Organization - Regional Office of the Americas World Health Organization, Washington, DC	Sabbatical Visitor/Consultant	March – September 2014
Malaysian Science Association	Technical Assistant - Genetic Engineering Course	1985 (1 week)
SRJK (Tamil) Sri Ganesha Tamil Primary School, Sitiawan, Perak, Malaysia.	Elementary School Teacher	Feb – Aug 1980
St. Michaels Institution, Ipoh, Perak, Malaysia.	Substitute Teacher	Jan 1980 (1 month)

2.5. EMPLOYMENT RECORD AT FIU

Rank	Dates
Founding Director	October 2014 – January 2016
Assistant Dean	September 2013 – March 2014
Founding Chair	July 2007 – August 2013
Professor	August 2010 – Present
Associate Professor	July 2005 – July 2010
Assistant Professor	Aug 1999 – June 2005

2.6. PROFESSIONAL HONORS, PRIZES AND FELLOWSHIPS

International		
No	Date	Honor
30	2020	Elected to American Academy of Microbiology . https://asm.org/Academy/Academy
29	2019	Elected into the Microbiology Society Prokaryotic Division https://microbiologysociety.org/why-microbiology-matters/council-governance/divisions/prokaryotic-division.html
28	04/2017 – 2022	Editor-in-Chief along with Norman Fry, Journal of Medical Microbiology , Microbiology Society, UK. https://www.microbiologyresearch.org/content/journal/jmm
27	2017-2019	Conference International Organizing Chair, 17 th International Conference on Pseudomonas. Malaysia. July 22 nd – 26 th , 2019. https://pseudomonasconference.com/
26	May 2018	Session Chair, 8 th Annual International Conference on Global Health, Miami, FL.
25	09/2015 – 03/2017	Section Editor (Senior Editor), <i>Journal of Medical Microbiology</i> , Microbiology Society, UK.
24	2015 - 2017	Chair, International Organizing Committee, 15 th Asian Conference on Transcription. Penang, Malaysia. July 31 st – August 4 th , 2017
23	2017	Organizing Chair, 7 th Annual International Conference on Global Health, Miami, FL.
22	2016	Organizing Chair, 6 th Annual International Conference on Global Health, Miami, FL.
21	2015	Organizing Chair, 5 th Annual International Conference on Global Health, Miami, FL.
20	2014	Inspiration in Science Award by New England Biolabs (Passions in Science Award)
19	06/2014	Member of FIU Delegates to visit University Technology Petronas, Malaysia
18	2014	Organizing Chair, 4 th Annual International Conference on Tropical Medicine, Miami, FL.
17	2013/14 - Present	External Assessor for Faculty Promotion, University Tunjku Abdul Rahman, Kampar, Perak, Malaysia
16	2012/13 – 16/17	Program External Assessor (UM.R/PA2/614/3/ISB) for the Bachelor of Science (Microbiology), University Malaya, Kuala Lumpur, Malaysia
15	2013 - 2015	International Advisory Board Member, Board of Studies in Biotechnology, Alagappa University, Karaikudi, Tamil Nadu, India.
14	2013 -	Malaysian Biotechnology Information Center (MABIC) Distinguished Fellow. MABIC is housed in Monash University (Australian University from Melbourne – Malaysian Branch)
13	2013 - 2016	Honorary Research Fellow to the High Impact Research Group, University of Malaya, Kuala Lumpur, Malaysia – First one to be appointed.
12	2013	Organizing Chair, 3 rd Annual International Conference on Tropical Medicine, Miami, FL.
11	2012	Organizing Chair, 2 nd Annual International Conference on Tropical Medicine, Miami, FL.
10	10/2011 –	Editorial board of Frontiers in Cellular and Infection Microbiology as Review Editor. http://community.frontiersin.org/people/KalaiMathee/27922#sthash.fY81PToS.dpuf
9	05/2011	Organizing Chair, Inaugural Conference on Tropical Medicine, Miami, FL.

8	07/2010	Session Chair, 11 th Asian-Pacific Conference on Transcription (ACT-11), July 1 st – 5 th , Okinawa, Japan
7	05/2009 –	Editor, BMC Microbiology
6	05/2009 – 9/2015	Editor, Journal of Medical Microbiology (a SGM Journal based in United Kingdom) on 05/2009
5	01/2008	Session Chair, 10 th Asian-Pacific Conference on Transcription (ACT-X), Jan 13 th – 16 th , Bangalore, India.
4	12/2005	Session Chair, 9 th Asian-Pacific Conference on Transcription (ACT-IX), Dec 12 th – 15 th , Taipei, Taiwan.
3	2003	Session Chair, 8 th Asian Conference on Transcription (ACT-VIII), Bangkok, Thailand. Nov. 16 th – 19 th .
2	2002	Chair, Scientific Organizing Committee, 7 th Asian Conference on Transcription. Kuala Lumpur, Malaysia. July 23 rd – 27 th , 2002 www.fiu.edu/~act_vii . (Check the website for comments from attendees)
1	2000	Ranjit Bhagwan Singh Fellowship. Invited by the Academy of Sciences Malaysia to conduct a one-week workshop on "Bacteria Cell-to-Cell Communication" under the program of The Dr. Ranjit Bhagwan Singh Medical Research Fund on 17-20 th October 2000, at University of Malaya, Kuala Lumpur, Malaysia.

National

No	Date	Honor
5	2012	Member, National Academy of Inventors (Florida Chapter)
4	2008	American Society for Microbiology Travel Award to India (deferred).
3	2003	Appointed as a member of American Society for Microbiology Committee on Personnel Planning for the period of 7/03 to 6/06.
2	2003	ZIA Symposium Scholarship to participate at their 2003 Zia Symposium on Research Careers in Bioinformatics: An Emerging Challenge for Undergraduate Education. New Mexico State University, Las Cruces, New Mexico. March 14 th – 15 th .
1	2002	I was invited to attend an exclusive meeting on "Phage therapy – Potential and Challenges" held at The Banbury Center, Cold Spring Harbor Laboratory, November 13 th – 15 th .

Local

No	Date	Honor
2	2013	Speaker at John A. Ferguson Senior High School Women of Tomorrow Chapter, a national mentoring and scholarship program, April 23 rd .
1	2008	Beauty and the Best Award for Outstanding Contributions to the Community and Cystic Fibrosis Foundation, South Florida Cystic Fibrosis Foundation.

University

No	Date	Honor
11	2014	Ignite Torch Bearer along with my spouse Dr. Giri Narasimhan – Planned giving https://fiu.planmygift.org/donor-stories/dr-giri-narasimhan-and-dr-kalai-mathee
10	2012	FIU – Program in the Study of Spirituality Civic Engagement Award.
9	2011	FIU President's Council Worlds Ahead Faculty Award in recognition of outstanding achievement as a student-centered professor who makes an impact and exceeds expectations (Carries a monetary value of \$12,500). http://www.youtube.com/watch?v=wacRdh0ekiQ
8	2011	FIU – Faculty Award for Excellence in Mentorship (Carries a monetary value of \$7,500).

7	2011	Delivered the "Occasion" for the 20 th Reverend Dr. Martin Luther King Commemorative Celebration Breakfast in FIU.
6	2010	Finalist, FIU President's Council Outstanding Faculty Award in recognition of sustained excellence in Teaching, Research and Service (Carries a monetary value of \$2,000).
5	2010 - 13	FIU Provost's Chair's Advisory Council
4	2010 -	Member, Board of Advisors, International Forensic Science Research Program, College of Arts and Sciences, Florida International University
3	2007	Delivered the Faculty Invocation at the 2007 Faculty Convocation at the Florida International University, October 5 th , 2007, Miami, FL.
2	07/2005	Second Annual McNair Post Baccalaureate Achievement Program 2005 Summer Research Institute Closing Ceremony, FIU. <i>How does one measure the success of the McNair Program?</i>
1	2004	FIU – Excellence in Research Award (Carried a monetary value of \$3,000).

Media & Web Stories

No	Date	Honor
31	2019	The Petr Dish, February 23. [Malaysia's first dedicated science newspaper] KL to host 'significant' conference on Pseudomonas https://thepetridish.my/2019/02/23/kl-to-host-significant-conference-on-pseudomonas/
30	2017	The Petr Dish, May 24. [Malaysia's first dedicated science newspaper] Asian scientists to meet in Penang for a mega conference https://thepetridish.my/2017/05/24/asian-scientists-to-meet-in-penang-for-mega-conference/
29	2017	The Petr Dish April 25. [Malaysia's first dedicated science newspaper] US-based scientist scores first https://thepetridish.my/2017/04/25/us-based-malaysian-scientist-scores-a-first/
28	2017	Malaysian newspapers on the appointment of Co-Editor-in-Chief, The Journal of Medical Microbiology
27	2017	On the appointment of Co-Editor-in-Chief, The Journal of Medical Microbiology http://www.microbiologyresearch.org/content/new-co-eics-jmedmicro
26	2016	Opening of the 6 th Global Health Conference https://vimeo.com/164021226
25	2014	Video on "Ciro: A Legacy for Global Health Equity" for the 5 th International Conference on Global Health https://vimeo.com/129742188
24	2014	On the New England Biolabs Passion in Science: Inspiration in Science Award: https://www.neb.com/about-neb/passion-in-science-awards http://www.biospace.com/News/new-england-biolabs-inc-release-15-inspiring/354633
23	2014	A documentary to create to highlight a private-public partnership center for health equity, "Between the tropics" http://cake.fiu.edu/TED/BETWEEN_THE_TROPICS_ULTIMA.mp4 https://vimeo.com/111809157
22	2014	Ignite Torch Bearer along with my spouse Dr. Giri Narasimhan – Planned giving https://fiu.planmygift.org/donor-stories/dr-giri-narasimhan-and-dr-kalai-mathee
21	2013	Spanish-English Documentary on "Self" - "Tinkering with human DNA - Are we going too far?" Coral Gables Cinema, US Premier Screening
20	2013	Petr Dish January Issue, Pg 5, "Tropical and infectious diseases come under the scope"
19	2013	HWCOM News: The High-Flying Dr. Mathee https://hwcomnews.fiu.edu/2013/01/the-high-flying-dr-mathee/
18	2012	University Malaya High Impact Research News – November Issue http://hir.um.edu.my/?modul=artikel&pilihan=papar&id=1655

17	2012	The Petr Dish 9 [Malaysia's first dedicated science newspaper] December Issue, Pg 4, "Kalai shares her success story" http://www.bic.org.my/images/publications/petridish/pd-2012-12.pdf
16	2012	Petr Dish November Issue, Pg 4, "Genes, Greens and 65 roses" http://www.bic.org.my/images/publications/petridish/pd-2012-11.pdf
15	2012	University Malaya High Impact Research News –November Issue
14	2012	Spanish Documentary on "Self" - "Tinkering with human DNA - Are we going too far?" Caracas, Veneuela (International Premier Screening) https://vimeo.com/111811448
13	2012	Mysore News, India twice: http://www.starofmysore.com/searchinfo.asp?search1=32796&search2=newsheadlines http://www.starofmysore.com/searchinfo.asp?search1=32822&search2=newsheadlines
12	2012	Training of Frost Museum Docents for MLK@TheFrost: http://www.youtube.com/watch?v=c-NxMtujvWE&feature=youtu.be
11	4/2011	Write-up in Science about my role in the Sequentia Exhibit. Science 331, no 6017, p548. Genome Sequencing Anniversary: painting the Genome for the public. http://www.sciencemag.org/content/331/6017/548.2.full
10	2011	Professor of the Year: YouTube: http://www.youtube.com/watch?v=wacRdh0ekiQ
9	2010	Exhibit at the Patricia & Phillip Frost Art Museum – Sequentia http://www.xaviercortada.com/events/event_details.asp?id=69469 http://wetheat.tv/Cortada-ThatHappened.html
8	2010	Worlds Ahead FIU: http://www.youtube.com/watch?v=cE0DfaSKbDQ
7	2009	Launching of Worlds Ahead: http://www.youtube.com/watch?v=mwQo0PMi_c0
	2006	Day 25 th of "The FIU World-Class Campaign" that showcased the quality and excellence in FIU in the Miami Herald in a 30-day series of full-page advertisements.
6	2004	Featured in "Faculty Profiles", Fall 2004 FIU Magazine.
5	2004	Miami Herald article about my lab and research was featured in FIU home page as a banner article.
4	2004	Article featured my lab and the research on Sunday Nov 14 th issue of Miami Herald
3	2002	An interview with Semparuthi, Tamil Daily News, Malaysia (http://www.semparuthi.com/)
2	2001	Cyber Interview conducted by the Institution of Research management and Consultancy, University of Malaya.
1	2001	"Women in Science: A Personal Reflection" – FIU Diversity Magazine

2.7. PATENT DISCLOSURES, SYNERGESTIC AND CREATIVE ACTIVITIES

Patents, IPs and Licenses		
6	2019	Patent No: US 10,329,597 B2 "Method for detection of <i>Pseudomonas aeruginosa</i> (Pa) using volatile biomarkers" Inventors: J. Almirall, W. Fan, and K. Mathee
5	2018	Patent No: US 9,951,007, B2. "2-Methylthiopyrrolidines and their use for modulating quorum sensing". Inventors: V.L.A. Malladi, L. Schneper, A.J. Sobczak, K. Mathee , SF Wnuk
4	2016	Patent No: US 9,249,095, B2. "2-Methylthiopyrrolidines and their use for modulating quorum sensing". Inventors: V.L.A. Malladi, L. Schneper, A.J. Sobczak, K. Mathee , SF Wnuk
3	2013	Patent No: US 8,597,492 B2. "Nanoscale DNA detection system using species-specific and/or disease-specific probes for rapid identification.

		Inventors: W. Choi, R. Roy, K. Mathee , and V. Prasad.
2	2008	Patent No: US 20,110,105,421, A1. Ellagitannins as inhibitors of bacterial quorum sensing. Inventors: K. Mathee , A. Adonizio, F. Ausubel, J. Clardy, B. Bennett
1	2000	Two new devices to grow and study bacteria as a biofilm. University of Tennessee-Memphis has licensed these inventions to Stovall Life Science, Inc (www.sls-science.com). K. Mathee and R. Gallick UTRC File No. 98020-21

Synergistic Activities

2	<i>Pseudomonas aeruginosa</i> Genome Analysis Participant: Annotations of alginate genes <ul style="list-style-type: none"> http://www.cmdr.ubc.ca/bobh/committee2.htm http://www.fiu.edu/matheek/Alginate_Genes.htm <i>My contributions were acknowledged in the 2000 Nature paper on P. aeruginosa genome.</i>	
1	Software tools: GYM: Detection of Helix-Turn-Helix motifs - http://www.msci.memphis.edu/~giri/hth/ BIP: Biofilm Image Processing - http://www.cs.fiu.edu/~giri/BIP/	

Creative Activities

13	2020	MLK@THE FROST — “Never Ending Gardens” by Terence Price II Curated by Frost Museum, fund raised and opening reception hosted by Kalai Mathee. https://frost.fiu.edu/exhibitions-events/events/2020/01/terence-price-ii.html
12	2019	MLK@THE FROST — “Flint is Family” by LaToya Ruby Frazier Januray 30 th to April 14 th 2019. Curated by Frost Museum, fund raised and opening reception hosted by Kalai Mathee. https://frost.fiu.edu/exhibitions-events/events/2019/01/latoya-ruby-frazier.html
11	2018	MLK@THE FROST — “Dawoud Bey: The Birmingham Project” Januray 18 th to March 18 th 2018. Curated by Frost Museum, fund raised and opening reception hosted by Kalai Mathee. https://frost.fiu.edu/exhibitions-events/events/2018/01/dawoud-bey.html
10	2017	MLK@THE FROST — “Casting Shadows”, Photographs by Edward West Januray 19 th to March 19 th 2017. Curated by Frost Museum, fund raised and opening reception hosted by Kalai Mathee. https://frost.fiu.edu/exhibitions-events/events/2017/01/ed-west.html
9	2016	MLK@THE FROST — “Memories of the Southern Civil Rights Movement”, Photographs by Danny Lyon Januray 11 th to March 19 th 2016. Curated by Frost Museum, fund raised and opening reception hosted by Kalai Mathee. https://frost.fiu.edu/exhibitions-events/events/2016/01/danny-lyon.html
8	2014	MLK@THE FROST — “After 50 Years - Can We Dream Together” January 7 th to 31 st , 2014 Curated and hosted by Professor Kalai Mathee, <i>Supported by Isabella Diaz & FIU Colleges</i> The Patricia and Phillip Frost Art Museum A series of multimedia exhibits including: <ul style="list-style-type: none"> The thematic piece by Pedro Jermaine titled, “Dream, Believe, Achieve (Impacting Our Tomorrow)” Pieces by Chanthou “Chakra” Oeur, Cambodian-born artist, survivor of the

		<p>brutal Khmer Rouge and a Freedom Fighter</p> <ul style="list-style-type: none"> • Slavery to Presidency – artwork by FIU students • MLK Wall of Hope – the winning thematic essays written by FIU students • FIU MLK Videos – compilation of videos created for past MLK breakfast events at FIU • MLK Hall of Fame - honoring successful FIU alumni of color (Inaugral year) • Defining Moments in American History - Equal Rights Act 1864, Indian Citizenship Act of 1924 and Civil Rights Act 1964 <p>Civil Rights Speeches by Presidents Kennedy (1963) and Johnson (1964)</p>
7	2014	<p>MLK with Henry Cole, the Author of “Unspoken”. Curated by Kalai Mathee. The entire book was displayed as canvas portraits in GC gallery. Had the author and artist visit FIU to meet with students from local schools Modesto Maidique Campus – Graham University Center Gallery & GC243</p>
6	2013	<p>MLK@THE FROST — “The Time is Always Right” Curated by Professor Kalai Mathee, and Supported by Isabella Diaz & FIU Colleges. Opening reception hosted by Kalai Mathee. A series of multimedia exhibits including:</p> <ul style="list-style-type: none"> • The thematic piece by Pedro Jermaine titled, “The Dream Lives (The Power of Unity)” • Distrust to Disparities – II focusing on experiments done on “colored” children. • The Salvation — A close look at the Emancipation Proclamation document by Preisident Lincoln and I have a dream speech by Dr. King • MLK Ray of Quotes – Quotes from past and present that addresses unity and rights for all. • MLK Wall of Hope – the winning thematic essays written by FIU students • MLK Wall of Fame – honoring successful FIU alumni of color. • March Portraits – To mark the 50th year anniversary of the Civil Rights March on Washington on August 28, 1963, portraits of select individuals who played a major role will be displayed. • MLK Legacy – “Then and Now” A brief look at what was then (50 years ago) and compares to now and how far we have come. • National Negro Anthem – “Lift Every Voice and Sing” was written by James Weldon Johnson (1871-1938).
5	2012	<p>MLK@THE FROST — “Health Equity: A Lasting Legacy” January 10th to 29th, 2012 Curated by Professors Kalai Mathee and Marcia Magnus; and Supported by Isabella Diaz & FIU Colleges. Opening reception hosted by Kalai Mathee. Training of Frost Museum Docents for MLK@TheFrost: http://www.youtube.com/watch?v=c-NxMtujvWE&feature=youtu.be The exhibit covered among others,</p> <ul style="list-style-type: none"> • The thematic piece by Eric Gonzales titled, “Health Equity: A Lasting legacy”, 2011 • Long Overdue THANK YOUs – featured Portraits by Jamie Androver of African Americans who contributed to current day medicine • Distrust to Disparities – artwork by FIU students (in collaboration with Gretchen Schargnagl) depicting historical milestones along the journey from medical distrust to current health care disparities. • MLK Wall of Hope – the winning thematic essays written by FIU students • FIU MLK Videos – compilation of videos created for past MLK breakfast events at FIU • MLK Hall of Fame - honoring successful FIU alumni of color

		<ul style="list-style-type: none"> • MLK Wall of Quotes -12 quotes from past and present that addresses among others, abuse of African Americans • MLK Legacy - Then and Now (Series of 7 Panels) • National Negro Anthem – "Lift Every Voice and Sing" was written by James Weldon Johnson (1871-1938). • "The innocent shall be set free", and "Dream Sheet," asks visitors to express their own dreams for a more equal and just world by Xavier Cortada
4	2012	Spanish Documentary on "Self" - "Tinkering with human DNA - Are we going too far?" https://vimeo.com/111811448
3	2011	Founded the MLK@The Frost Series (along with Isabella Diaz) Founded the MLK Hall of Fame – to honor alumni of color The exhibit focused FIU History on recognizing Reverend Dr. Martin Luther King Junior since its inception.
2	2010	Panel Discussion Member, "Sequentia", November 10 th , Target Wednesday After Hours, The Patricia and Phillip Frost Art Museum, Florida International University. <i>Announcing the Genetic Sequence results from the participatory installation with Xavier Cortada.</i>
1	2009	DNA Panel Discussion Member, "Genetic Portraits", April 22 nd , The Patricia and Phillip Frost Art Museum, Florida International University. <i>Discussion on DNA & Art that featured artists Nela Ochoa & Xavier Cortada</i>

2.8. PUBLICATIONS

No	Year	Authors, Title, Journal
Invited Papers in Professional Journals		
2020		
14		Mathee K , Cickovski T, Deoraj A, Stollstorff M, Narasimhan G. The gut microbiome and neuropsychiatric disorders: implications for attention deficit hyperactivity disorder (ADHD) . <i>J Med Microbiol.</i> 2020 Jan;69(1):14-24. doi: 10.1099/jmm.0.001112. Review. PMID:31821133
2018		
13		R. Mittal, J.M. Parrish, M. Soni, J. Mittal, and K. Mathee . Microbial otitis media: recent advancements in treatment, current challenges and opportunities. <i>Journal of Medical Microbiology</i> Oct;67(10):1533. doi: 10.1099/jmm.0.000810.
12		S. Dhar, H. Kumari, D. Balasubramanian, and K. Mathee . Cell-wall recycling and synthesis in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> — their role in the development of resistance. <i>Journal of Medical Microbiology</i> 67(1):1-21. doi: 10.1099/jmm.0.000636. Epub 2017 Nov 29. Review.
2016		
11		V. Aguiar-Pulido, W. Huang, V. Suarez-Ulloa, T. Cickovski, K. Mathee , and G. Narasimhan. Metagenomics, metatranscriptomics, and metabolomics approaches for microbiome analysis. <i>Evolutionary Bioinformatics.</i> May 12;12(Suppl 1):5-16. doi: 10.4137/EBO.S36436. eCollection 2016. Review.
2015		
10		K. Mathee , LL. Silver, and G. Tatke. 70th Anniversary Collection for the Microbiology Society: <i>Journal of Medical Microbiology.</i> <i>Journal of Medical Microbiology</i> Dec;64(12):1457-61. doi: 10.1099/jmm.0.000186.

9	R. Mittal, C. V. Lisi, R. Gerring, J. Mittal, K. Mathee , G. Narasimhan, R. K. Azad, Q. Yao, M. Grati, D. Yan, A.A. Eshraghi, S.I. Angeli, F.F. Telischi, and X-Z. Liu. Current concepts in the pathogenesis and treatment of chronic suppurative otitis media. <i>Journal of Medical Microbiology</i> 64(10):1103-16. doi: 10.1099/jmm.0.000155. Epub 2015 Aug 5.
8	H. Kumari, D. Balasubramanian, and K. Mathee . <i>Pseudomonas aeruginosa</i> AmpR: An acute-chronic switch regulator. <i>Pathogens and Diseases</i> Mar;73(2):1-14. doi: 10.1111/2049-632X.12208. Epub 2015 Feb 26.
2014	
7	R. Mittal, J. Kodiyan, R. Gerring, K. Mathee , J-D Li, M. Grati & X.Z. Liu. Role of innate immunity in the pathogenesis of otitis media. <i>International Journal of Infectious Diseases</i> 2014 Dec; 29:259-67. doi: 10.1016/j.ijid.2014.10.015. Epub 2014 Nov 5.
2012	
6	L. Schneper, N. Maricic, and K. Mathee . Anti-quorum sensing, anti-bacterial, and immunomodulatory properties of <i>Panax ginseng</i> . <i>International Journal of Biomedical and Pharmaceutical Sciences</i> 6:11-24
2010	
5	K. F. Kong, L. Schneper, and K. Mathee . Beta-lactam antibiotics: from antibiosis to resistance and bacteriology. Review. <i>Acta Pathologica, Microbiologica, et Immunologica Scandinavica</i> 118(1):1-36 <ul style="list-style-type: none"> • Listed as a paper "of outstanding interest" by Llarull et al, 2010 Current Opinion in Microbiology 13:551-557.
2009	
4	M. Doud, E. Zeng, L. Schneper, G. Narasimhan, K. Mathee . Approaches to analyzing dynamic microbial communities such as those seen in cystic fibrosis lung. <i>Human Genomics</i> 3(3):246-256.
2006	
3	S.Z. Miller, S. King, and K. Mathee . Forensic DNA analysis: An overview of human DNA analysis. <i>International Journal of Forensic Science (Revista de Ciencias Forenses)</i> 1:31-38
2003	
2	K. Mathee and G. Narasimhan. Detection of DNA-binding helix-turn-helix motifs in proteins using pattern dictionary method. <i>Methods in Enzymology</i> 370:250-264.
1998	
1	K. Hughes, and K. Mathee . The anti-sigma factors. <i>Annual Review of Microbiology</i> 52:231-286.
Peer-Reviewed Research Articles	
2020	
67	D. Ruiz-Perez, J Lugo-Martinez, N. Bourguignon, K. Mathee , B. Lerner, Z. Bar-Joseph, and G. Narasimhan. Dynamic Bayesian networks for integrating multi-omics microbiome data. BMC Genome Biology. Under review
66	M. R. Sazal, K. Mathee, D. Ruiz-Perez, T. Cickovski, G Narasimhan. Inferring directional relationships in microbial communities using signed Bayesian networks. <i>In Press</i> .
2019	
65	D. Ruiz-Perez, Guan, P. Madhivanan, K. Mathee , and G. Narasimhan. So, you think you can PLS-DA? 2-page abstract published in <i>IEEE 8th International Conference on Computational Advances in Bio and medical Sciences (ICCABS - 2018)</i> . <i>In Press</i> .
2018	
64	C. Delgado, L. Florez, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee . <i>Pseudomonas</i>

	<i>aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> Jul 25;200(16). pii: e00215-18. doi: 10.1128/JB.00215-18. Print Aug 15. PMID:29784885
63	S. Pandey, C. Delgado, L. Florez, H. Kumari, and K. Mathee . Outer membrane protein LptD (PA0595) plays a role in the regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i> . <i>Journal of Medical Microbiology</i> doi: 10.1099/jmm.0.000752. Epub 2018 Jun 20. PMID: 29923820
2016	
62	R. Mittal, C.V. Lisi, H. Kumari, M. Grati, P. Blackwelder, D. Yan, C. Jain, K. Mathee , P.H. Weckwerth, X.Z. Liu XZ. Otopathogenic <i>Pseudomonas aeruginosa</i> enters and survives inside macrophages. <i>Frontiers Microbiology</i> 7:1828. eCollection 2016.
61	M. Lee*, S. Dhar*, S. De Benedetti, D. Heseck, B. Boggess, B. Blázquez, K. Mathee [^] , and S. Mobashery [^] . Muropeptide pool and the elicitors of β -lactam-antibiotic resistance in <i>Pseudomonas aeruginosa</i> . <i>Angewandte Chemie International Edition in English</i> 55(24):6882-6. doi: 10.1002/anie.201601693. Epub 2016 Apr 25. [* - <i>contributed equally</i> ; [^] - <i>co-corresponding authors</i>] <i>Corrigendum: Angew Chem Int Ed Engl.</i> 55(41):12568. doi: 10.1002/anie.201608482.
60	M. Jani, K. Mathee , and R.K. Azad. Identification of novel genomic islands in Liverpool epidemic strain of <i>Pseudomonas aeruginosa</i> using segmentation and clustering. <i>Frontiers Microbiology</i> 7:1210. doi: 10.3389/fmicb.2016.01210. eCollection 2016.
2015	
59	D. Zincke, D. Balasubramanian, L.L. Silver, and K. Mathee . Characterization of a carbapenem-hydrolyzing enzyme, PoxB, in <i>Pseudomonas aeruginosa</i> PAO1. <i>Antimicrobial Agents Chemotherapy</i> . 60(2):936-45. doi: 10.1128/AAC.01807-15.
58	G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee . <i>Pseudomonas aeruginosa</i> MifS-MifR two competent system is specific for α -ketoglutarate utilization. <i>PLOS One</i> 10(6):e0129629. doi: 10.1371/journal.pone.0129629.
57	M. Fernandez, J.D. Riveros, M. Campos, K. Mathee and G. Narasimhan. Microbial "social networks". <i>BMC Genomics</i> 16(Suppl 11):S6 (Special Issue), 2015.
2014	
56	O. Caille, D. Zincke, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory, and K. Mathee . Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Nov; 196(22): 3890–3902. doi: 10.1128/JB.01997-14
55	H. Kumari, D. Balasubramanian, D. Zincke, and K. Mathee . <i>Pseudomonas aeruginosa</i> AmpR plays a role in transient cross-resistance to β -lactams and non- β -lactams upon preexposure to subinhibitory concentrations of antibiotics. <i>Journal of Medical Microbiology</i> Apr; 63(Pt 4): 544-55 Jan 25. doi: 10.1099/jmm.0.070185-0. <i>Featured in MDLinx web site (www.MDLinx.com). MDLinx is the world's most up-to-date index of articles that matter in the daily lives of physicians and other healthcare professionals.</i>
54	H. Kumari*, S.K. Murugapiran*, D. Balasubramanian, L. Schneper, M. Merighi, D. Sarracino, S. Lory, and K. Mathee . LTQ-XL mass spectrometry proteome analysis expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include cyclic di-GMP phosphodiesterases and phosphoproteins, and identifies novel open reading frames. <i>Journal of Proteome Research</i> Jan 16; 96:328-42. doi: 10.1016/j.jpro.2013.11.018. Epub 2013 Nov 28. [* - <i>contributed equally</i>]
53	D. Balasubramanian, H. Kumari, M. Jaric, M. Fernandez, K.H. Turner, S.L. Dove, G. Narasimhan, S. Lory and K. Mathee . Deep sequencing analyses expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include small RNA-mediated regulation of iron acquisition, heat-shock and the oxidative stress response. <i>Nucleic Acids Research</i> 42(2):979-98. doi: 10.1093/nar/gkt942. Epub 2013 Oct 23.

52	D. Balachandar, M.S. Doud, L. Schneper, D.E. Mills, and K. Mathee . Long-term organic nutrient management fosters the eubacterial community diversity in the Indian semi-arid alfisol as revealed by length heterogeneity-PCR. <i>Communications in Soil Science and Plant Analysis</i> 45:189-203.
2013	
51	M. Jaric, J. Segal, E. Silva-Herzog, L. Schneper, K. Mathee , and G. Narasimhan. Better primer design for metagenomic applications by increasing taxonomic distinguishability. <i>BMC Proceedings</i> 7(Suppl 7): S4 doi:10.1186/1753-6561-7-S7-S4
50	D. Balasubramanian, L. Schneper, H. Kumari and K. Mathee . A dynamic and intricate regulatory network determines <i>Pseudomonas aeruginosa</i> virulence. <i>Nucleic Acids Research</i> 41(1):1-20.
2012	
49	D. Balasubramanian, L. Schneper, M. Merighi, R. Smith, G. Narasimhan, S. Lory, and K. Mathee . The regulatory repertoire of <i>Pseudomonas aeruginosa</i> AmpC β -lactamase regulator AmpR includes virulence genes. <i>PLoS One</i> 7(3):e34067.
48	R. Sautter, D. Ramos, O. Ciofu, A. Heydorn, N. Hoiby, A. Kharazmi, C. DeVries, D.E. Ohman, L. Schneper, and K. Mathee . A complex multilevel attack on <i>Pseudomonas aeruginosa</i> algT/U expression and AlgT/U activity results in the loss of alginate production. <i>Gene</i> 498(2):242-53
47	E. Zeng, C. Ding, K. Mathee , L. Schneper, and G. Narasimhan. Gene function prediction and functional network: The role of gene ontology. <i>Data Mining: Foundations and Intelligent Paradigms</i> , 123-162
2011	
46	V.L.A. Malladi, A.J. Sobczak, N. Maricic, S.K. Murugapiran, L. Schneper, J. Makemson, K. Mathee and S.F. Wnuk. Substituted lactam and cyclic azahemiacetals modulate <i>Pseudomonas aeruginosa</i> quorum sensing. <i>BMC Bioorganic and Medicinal Chemistry</i> . 19:5500-5506 [Co-corresponding author]
45	C.Z. Li, K. Vandenberg, S. Prabhulkar, X. Zhu, L. Schneper, K. Mathee , C.J. Rosser, and E. Almeida. Paper based point-of-care testing disc for multiplex whole cell bacteria analysis. <i>Biosensors and Bioelectronics</i> 26:4342-8.
44	K.G. Chan, S. Atkinson, K. Mathee , C.K. Sam, S.R. Chhabra, M. Cámara, C.L. Koh, and P. Williams. Characterization of N-acylhomoserine lactone-degrading bacteria associated with the <i>Zingiber officinale</i> (ginger) rhizosphere: co-existence of quorum quenching and quorum sensing in <i>Acinetobacter</i> and <i>Burkholderia</i> . <i>BMC Microbiology</i> 11:51. <ul style="list-style-type: none"> • It has been designated as "Highly accessed" paper. The 'Highly accessed' designate identifies those articles that have been especially highly accessed, relative to their age, and the journal in which they were published.
43	D. Balasubramanian, K.F. Kong, S. Jayawardena, S. Leal, R. Sautter, and K. Mathee . Coregulation of β -lactam resistance, alginate production, and quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Journal of Medical Microbiology</i> 60(2):147-156. Featured in <ul style="list-style-type: none"> • MDLinx web site (www.MDLinx.com). MDLinx is the world's most up-to-date index of articles that matter in the daily lives of physicians and other healthcare professionals.
2010	
42	K.F. Kong, A. Aguila, L. Schneper, and K. Mathee . <i>Pseudomonas aeruginosa</i> β -lactamase induction requires two permeases, AmpG and AmpP. <i>BMC Microbiology</i> 10:328-343. <ul style="list-style-type: none"> • It has been designated as "Highly accessed" paper.
41	S. Cardenas, M. Scuri, L. Samsell, B. Ducatman, P. Bejarano, A. Auais, M. Doud, K. Mathee , and G. Piedimonte. Neurotropic and neuroimmune responses to early-life <i>Pseudomonas aeruginosa</i> infection in rat lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> 299(3): L334-44.
40	Z. Song, K.F Kong, H. Wu, N. Maricic, B. Ramalingam, H. Priestap, J.M.E. Quirke, N. Høiby, L. Schneper and K. Mathee. <i>Panax ginseng</i> has anti-infective activity against opportunistic

	pathogen <i>Pseudomonas aeruginosa</i> by inhibiting quorum sensing, a bacterial communication process critical for establishing infection. <i>Phytomedicine</i> 17(13):1040-1046.
39	M.S. Doud, M. Light, G. Gonzalez, G. Narsimhan, and K. Mathee . Combination of 16S rRNA variable regions provides a detailed analysis of bacterial community dynamics in the lungs of cystic fibrosis patients. <i>Human Genomics</i> 4(3):147-169.
2009	
38	M. Herzberg, T. Rezene, C. Ziemba, O. Gillor, and K. Mathee . Impact of higher alginate expression on deposition of <i>Pseudomonas aeruginosa</i> in radial stagnation point flow and reverse osmosis systems. <i>Environmental Science & Technology Journal</i> 43(19):7376-7383.
37	M.S. Doud, R. Grimes-Zeppego, E. Molina, N. Miller, D. Balachandar, L. Schneper, R. Poppiti, and K. Mathee . A k2A-positive <i>Klebsiella pneumoniae</i> causes liver and brain abscess in a Saint Kitt's man. <i>International Journal of Medical Sciences</i> 6(6):301-304.
36	D. Balasubramanian, and K. Mathee . Comparative transcriptome analyses of <i>Pseudomonas aeruginosa</i> . <i>Human Genomics</i> 3(4):349-61.
2008	
35	E. Zeng, G. Narasimhan, L. Schneper, and K. Mathee . A functional network of yeast genes using gene ontology information. <i>IEEE Conference on Bioinformatics and Biomedicine (BIBM2008)</i> 343-346.
34	H. Vedala, D.H. Kim, M. Doud, K. Mathee , and W. Choi. Effect of environmental factors on electrical conductivity of single oligo-DNA molecule measured using single-walled carbon nanotube nanoelectrodes. <i>Nanotechnology</i> 19:1-6 (265704)
33	J. Entry, D. Mills, K. Mathee , K. Jayachandran, R.E. Sojka and G. Narasimhan. Influence of irrigated agriculture on soil microbial diversity. <i>Applied Soil Ecology</i> 40:146-154.
32	A. Adonizio, S. Leal, F. Ausubel, and K. Mathee . Attenuation of <i>Pseudomonas aeruginosa</i> virulence by medicinal plants in a <i>Caenorhabditis elegans</i> model system. <i>Journal of Medical Microbiology</i> 57:809-813.
31	A. L. Adonizio, K.F. Kong, and K. Mathee . Inhibition of quorum sensing-controlled virulence factor production in <i>Pseudomonas aeruginosa</i> by South Florida plant extracts. <i>Antimicrobial Agents and Chemotherapy</i> 52:198-203
30	K. Mathee , G. Narasimhan, C. Valdes, X. Qiu, J. M. Matewish, M. Koehrsen, A. Rokas, C. N. Yandava, R. Engels, E. Zeng, R. Olavarietta, M. Doud, R. Smith, P. Montgomery, J. White, P. A. Godfrey, C. Kodira, B. Birren, J. Galagan and S. Lory. Dynamics of <i>Pseudomonas aeruginosa</i> genome evolution. <i>Proceedings of National Academy of Sciences USA</i> 105(8):3100-3105. <i>Highlighted by</i> <ul style="list-style-type: none"> • Genome Technology Online, Feb 20, 2008, "Survival through genome shapeshifting" • Selected for review by Faculty of 1000 Biology
29	S. Roy S, H. Vedala, A.D. Roy, D.H. Kim, M. Doud, K. Mathee , H.K. Shin, N. Shimamoto, V. Prasad and W. Choi. Direct electrical measurements on single-molecule genomic DNA using single-walled carbon nanotubes. <i>Nano Letters</i> 8:26-30. <i>Highlighted by</i> <ul style="list-style-type: none"> • Nanowerk Spotlight, Dec 28, 2007, "DNA electronics in nanotechnology" • NewScientist Tech, Dec 4, 2007, "Nanoelectrodes could provide bird flu test" • NewScientist, "Nanotube electrodes could provide avian flu test" • NanoScienceWorks, Jan 2008, "Nanotube electrodes can "match" DNA via signals" • Technology Reviews, February 13, 2008, "Wiring up DNA" • Nature Spotlight on a related article that appeared in Feb 2008 included our work.
2007	
28	E. Zeng, K. Mathee , and G. Narasimhan. IEM: an algorithm for iterative enhancement of motifs using comparative genomics data. <i>Comput Syst Bioinformatics Conf.</i> 6:227-35.

27	D.K. Mills, J.A. Entry, K. Mathee , and P.M. Gillevet. Mini-Review: Assessing Microbial Community Diversity Using Amplicon Length Heterogeneity PCR. <i>Soil Science Society of America Journal</i> 71 March-April
2006	
26	L.I. Moreno, D.K. Mills, J. Entry, R.T. Sautter, and K. Mathee . Microbial metagenome profiling using Amplicon Length Heterogeneity-Polymerase Chain Reaction (ALH-PCR) proves more effective than elemental analysis in discriminating soil specimens. <i>Journal of Forensic Science</i> 51 :1315-1322.
25	D.K. Mills, J. A. Entry, J.D. Voss, P.M. Gillevet, and K. Mathee . An assessment of the hypervariable domains of the 16S rRNA genes for their value in determining microbial community diversity: the paradox of traditional ecological indices. <i>FEMS Microbiological Ecology</i> 57 :496-503.
24	A. L. Adonizio, K. Downum, B. C. Bennett, and K. Mathee . Anti-quorum sensing activity of medicinal plants in southern Florida. <i>Journal of Ethnopharmacology</i> 105 :427-35.
23	J. Makemson, A. Eberhard, and K. Mathee . Simple electrospray mass spectrometry detection of acylhomoserine lactones. <i>Luminescence</i> 21 :1-6
22	C. Yang, D. Mills, K. Mathee , Y. Wang, K. Jayachandran, M. Sikaroodi, P. Gillevet, J. Entry, G. Narasimhan. Ecoinformatics tools for microbial diversity studies: Supervised classification of amplicon length heterogeneity (ALH) profiles of 16S rRNA. <i>Journal of Microbiological Methods</i> 65 : 49-62.
2005	
21	K.F. Kong, S.R. Jayawardena, S. D. Indulkar, A. del Puerto, C-L. Koh, N. Høiby, and K. Mathee . <i>Pseudomonas aeruginosa</i> AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB b-lactamases, proteases, quorum sensing and other virulence factors. <i>Antimicrobial Agents and Chemotherapy</i> 49:4567-75. <ul style="list-style-type: none"> ◆ Article selected for Journal Highlights in the ASM News December issue. A monthly issue that highlights one article per journal that describes new and exciting developments in microbial research.
20	K.F. Kong, S.R. Jayawardena, A. Del Puerto, L. Wiehlmann, U. Laabs, B. Tummler, and K. Mathee . Characterization of <i>poxB</i> , a chromosomal-encoded <i>Pseudomonas aeruginosa</i> oxacillinase. <i>Gene</i> 358:82-92
19	Y. Wang, C. Yang, K. Mathee , and G. Narasimhan. Clustering using Adaptive Self-Organizing Maps (ASOM) and Applications. <i>Lecture Notes in Computer Science</i> 3515: 944-951.
18	Y. Sun, Z. Deng, G. Narasimhan, and K. Mathee . Training set design for pattern discovery with applications to protein motif detection. <i>Advances in Bioinformatics and its Applications: Series in Mathematical Biology and Medicine</i> 8 :240-251.
17	C. Yang, E. Zeng, K. Mathee , and G. Narasimhan. Querying a database of regulatory elements. <i>Advances in Bioinformatics and its Applications: Series in Mathematical Biology and Medicine</i> 8 :81-92.
2004	
16	A.P. Stapper, G. Narasimhan, D.E. Ohman, J. Barakat, M. Hentzer, S. Molin, A. Kharazmi, N. Høiby, K. Mathee . Alginate production affects <i>Pseudomonas aeruginosa</i> biofilm development and architecture, but is not essential for biofilm formation. <i>Journal of Medical Microbiology</i> 53:679-690. <ul style="list-style-type: none"> ◆ It became one of the 50-most-frequently read articles, at one point ranking number 5.
15	X.H. Guo, Z.J. Song, H. Wu, P. Yan, X.J. Qin, K. Mathee , N. Høiby, B.J. Tang, X.Q. Qiu, Y.Q. Chen. Effects of pre-immunization with Bacillus Calmette Guerin vaccine on chronic <i>P. aeruginosa</i> lung infection in rats. <i>Current Immunology</i> 24:138-141. (In Chinese)

2003	
14	Z. Song, H. Wu, O. Ciofu, K.F. Kong, N. Høiby, J. Rygaard, A. Kharazmi, K. Mathee . <i>Pseudomonas aeruginosa</i> alginate is refractory to Th1 immune response and impedes host immune clearance in a mouse model of acute lung infection. <i>Journal of Medical Microbiology</i> 52:731-40.
2002	
13	G. Narasimhan, C. Bu, Y. Gao, X. Wang, N. Xu, K. Mathee . Mining protein sequences for motifs. <i>Journal of Computational Biology</i> 9:707-720.
12	Z.J. Song, H. Wu, K. Mathee , N. Høiby, and A. Kharazmi. Gerimax ginseng regulates both humoral and cellular immunity during chronic <i>Pseudomonas aeruginosa</i> lung infection. <i>Journal of Alternative and Complementary Medicine</i> 8:459-466
2001	
11	A. Morea, K. Mathee , M. J. Franklin, A. Giacomini, M. O'Regan and D. E. Ohman. Characterization of <i>algG</i> encoding C5-epimerase in the alginate biosynthetic gene cluster of <i>Pseudomonas fluorescens</i> . <i>Gene</i> 278:107-114.
10	H. Wu, Z. Song, M. Givskov, G. Doring, D. Worlitzsch, K. Mathee , J. Rygaard, and N. Hoiby. <i>Pseudomonas aeruginosa</i> mutations in <i>lasI</i> and <i>rhlI</i> quorum sensing systems result in milder chronic lung infection. <i>Microbiology</i> 147:1105-1113.
2000	
9	S. Malhotra, L.A. Silo-Suh, K. Mathee , and D.E. Ohman. Proteome analysis of the effect of mucoid conversion on global protein expression in <i>Pseudomonas aeruginosa</i> strain PAO1 shows induction of disulfide bond isomerase, DsbA. <i>Journal of Bacteriology</i> 182:6999-7006.
8	H. Wu, Song, Z.J., K. Mathee , M. Hentzer, J.B. Andersen, A. Heydorn, C. Moser, L. Eberl, S. Molin, N. Høiby, and M. Givskov. Detection of N-acylhomoserine lactones in lung tissues of mice infected with <i>Pseudomonas aeruginosa</i> . <i>Microbiology</i> 146:2481-2493.
1999	
7	K. Mathee , O. Ciofu, C. Sternberg, P.W. Lindum, J.I. Campbell, P. Jensen, A.H. Johnsen, M. Givskov, D.E. Ohman, S. Molin, N. Høiby, and A. Kharazmi. Mucoid conversion of <i>Pseudomonas aeruginosa</i> by hydrogen peroxide: a mechanism for virulence activation in the cystic fibrosis lung. <i>Microbiology</i> 145:1349-1357. ♦ Article selected for Hot Off The Press in Microbiology Today 26:135; A quarterly issue that highlights new and exciting developments in microbial research.
1997	
6	K. Mathee , C.J. McPherson and D.E. Ohman. Posttranslational control of the <i>algT</i> (<i>algU</i>)-encoded σ^{22} for expression of the alginate regulon in <i>Pseudomonas aeruginosa</i> and localization of its antagonist proteins MucA and MucB (AlgN). <i>Journal of Bacteriology</i> 179:3711-3720.
1993	
5	K. Mathee , and M.M. Howe. Bacteriophage Mu Mor protein requires σ^{70} to activate the Mu middle promoter. <i>Journal of Bacteriology</i> 175:5314-5323.
4	K. Mathee , and M.M. Howe. Function of the bacteriophage Mu middle operon. <i>Virology</i> 196:712-721.
1990	
3	K. Mathee , and M.M. Howe. Identification of a positive regulator of the Mu middle operon. <i>Journal of Bacteriology</i> 172:6641-6650.
1985	
2	K. Kalaimathee , C.L. Koh, and Y.F. Ngeow. Plasmid profiles of <i>Neisseria gonorrhoeae</i> in Peninsular Malaysia. <i>Microbiology and Immunology</i> 29:921-926.

1984	
1	C.L. Koh, K. Kalaimathee , and Y.F. Ngeow. Penicillinase-producing <i>Neisseria gonorrhoeae</i> in Peninsular Malaysia. <i>Medical Journal of Malaysia</i> 39:269-271.
Proceedings (2-5 pages long)	
2019	
12	T. Cickovski, A. Manuel, K. Mathee , M. Campos, G. Narasimhan, (2019), Effects of Various Alpha-1 Antitrypsin Supplement Dosages on the Lung Microbiome and Metabolome <i>ICCABS Proceedings</i> , In Press.
11	D. Ruiz-Perez, J. Lugo-Martinez, N. Bourguignon, K. Mathee , S. Bhansali, Z. Bar-Joseph, and G. Narasimhan (2019), Application of Bayesian Techniques to Multiomic Longitudinal Data, <i>LatinX in AI Workshop</i> at NeurIPS 2019.
10	M. Sazal, D. Ruiz-Perez, C. Valdes, T. Cickovski, V. Stebliankin, A. Mehta, K. Mathee , and G. Narasimhan, Signed Bayesian Networks for Microbiomes, <i>LatinX in AI Workshop</i> at NeurIPS 2019.
2018	
9	D. Ruiz-Perez, H. Guan, P. Madhivanan, K. Mathee , and G. Narasimhan (2018). So you think you can PLS-DA? <i>ICCABS Conference</i> , Accepted for Publication.
2013	
8	M. Fernandez, M. Jaric, L. Schneper, J. Segal, E. Silva-Herzog, M. Campos, J. Fishman, M. Salathe, A. Wanner, J. Infante, K. Mathee , G. Narasimhan. A metagenomic approach to the airways microbiome of chronic obstructive pulmonary disease (COPD). <i>Biomedical Engineering Conference (SBEC)</i> , 2013 29th Southern 151 - 152
2009	
7	G. Gonzalez, M. Doud, K. Mathee and G. Narasimhan. Computer-assisted bacterial identification using 16S rRNA sequence data. <i>Book series: FMBE Proceedings</i> 24:239-249.
2004	
6	C. Yang, E. Zeng, K. Mathee , and G. Narasimhan. Mining Regulatory Elements in the <i>Plasmodium falciparum</i> genome using gene expression data. <i>Proceedings of CAMDA'04: Critical Assessment of Microarray Data Analysis</i> , Durham, NC, p16-20, November.
2003	
5	C.L. Koh, M.L. Yap, Y.S. Ooi, M.E. Lim, and K. Mathee . Screening of environmental water samples from Malaysia for bacteria producing autoinducers and inhibitors of quorum sensing. <i>Persatuan Genetik Malaysia; University of Malaya; Ministry of Science, Technology & the Environment, Malaysia; and Ministry of Health, Malaysia</i> . 25-27 March; Kuala Lumpur. <i>Proceedings of the 5th National Congress of Genetics</i> . p162-163.
4	D. Ramos, A. Heydorn, C. Koh, K. Mathee . Loss of alginate production in mucoid <i>Pseudomonas aeruginosa</i> occurs via deregulation of the alternative sigma factor AlgT. <i>Proceedings of the National Conference on Undergraduate Research (NCUR)</i> p1-9 (9 p).
3	D. Mills, J.A. Entry, K. Mathee , K. Jayachandran, R.E. Sojka, W.J. Busscher. Irrigated agriculture and tillage practices impact microbial community structure. <i>Proceedings of the International Soil Tillage Research Organization, 16th Triennial Conference</i> , July 2003, Brisbane, Australia. p749-754.
1999	
2	A Kharazmi, K. Mathee , ET Jensen, S Molin, N Høiby. Polymorphonuclear leukocytes and <i>Pseudomonas aeruginosa</i> biofilm. <i>Clinical Microbiology and Infection</i> , 1999
1	Y. Gao, K. Mathee , G. Narasimhan, X. Wang. Motif Detection in Protein Sequences. <i>Proceedings of SPIRE'99</i> , Cancun, Mexico. p 63-72 (10 pages).

Book Chapters	
2016	
8	S. Pandey, K. Martins, and K. Mathee . Posttranslational regulation of antisigma factors of RpoE: a comparison between the <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> systems, p361-5. Invited Book Chapter. Stress and Environmental Regulation of Gene Expression and Adaptation in Bacteria, 2 Volume Set Editor, F. de Bruijn ISBN: 978-1-119-00488-2 1472 pages. Wiley-Blackwell.
7	H. Kumari, D. Balasubramanian, and K. Mathee . Role of small RNAs in <i>Pseudomonas aeruginosa</i> virulence and adaptation, p 383-392 Invited Book Chapter. Stress and Environmental Regulation of Gene Expression and Adaptation in Bacteria, 2 Volume Set Editor, F. de Bruijn ISBN: 978-1-119-00488-2 1472 pages. Wiley-Blackwell.
2015	
6	M. Fernandez, V. Aguiar-Pulido, J. Riveros, W. Huang, J. Segal, E. Zeng, M. Campos, K. Mathee , E. Zeng, and G. Narasimhan. Microbiome Analysis: State-of-the-Art and Future Trends. Chapter 18 in <i>Computational Methods for Next Generation Sequencing Data Analysis</i> . Eds: Mandoiu and Zelikovsky, John Wiley and Sons, p333-351.
2013	
5	D. Balasubramanian, S.K. Murugapiran, E. Silva-Herzog, L. Schenper, X. Yang, G. Tatke, G. Narasimhan and K. Mathee . Transcriptional regulatory Network in <i>Pseudomonas aeruginosa</i> . In <i>Bacterial Gene Regulation and Transcriptional Networks</i> . p195-248. M. Babu (Ed.), Horizon Press.
2012	
4	E. Zheng, C. Ding, K. Mathee , L. Schneper and G. Narasimhan. Semantic similarity between genes and its applications in function prediction and functional network generation. <i>Data mining: Medical, Health, Social and Biological Applications</i> . D.E. Holmes (Ed.), Springer. [PR]
2007	
3	C. Yang, E. Zheng, K. Mathee , and G. Narasimhan. PlasmotFBM: An intelligent queryable database for predicted transcription factor binding motifs in <i>Plasmodium falciparum</i> . <i>Methods in Microarray Data Analysis V</i> : 121-136. McConnell, Lin, Hurban (Eds.), Springer.
2002	
2	K. Mathee , A. Kharazmi and N. Høiby. Role of exopolysaccharide in biofilm matrix formation: The alginate paradigm. In, <i>Molecular Ecology of Biofilms: Genetic Analysis</i> . P 23-56 Edited by R.J.C. McLean and A.W. Decho. Horizon Scientific Press.
1996	
1	D.E. Ohman, D.E., K. Mathee , C.J. McPherson, C.A. DeVries, S. Ma, D.J. Wozniak and M. Franklin. Regulation of the alginate (<i>algD</i>) operon in <i>Pseudomonas aeruginosa</i> . In, <i>Molecular biology of Pseudomonads</i> . p472-483. Edited by T. Nakazawa, K. Furukawa, D. Haas, S. Silver. American Society for Microbiology, Washington, D.C.
Invited Extended Abstracts	
1999	
3	K. Mathee , O. Ciofu, M. Givskov, D.E. Ohman, S. Molin, N. Høiby, and A. Kharazmi. Reactive oxygen species-mediated induction of <i>Pseudomonas aeruginosa</i> alginate production: a possible induction mechanism in cystic fibrosis lungs. <i>Clinical Microbiology and Infection</i> 5:5S8-9.
2	A. Kharazmi, K. Mathee , E. T. Jensen, S. Molin and N. Høiby. Polymorphonuclear leukocytes and <i>Pseudomonas aeruginosa</i> biofilms. <i>Clinical Microbiology and Infection</i> 5:5S27-28.
1	D.E. Ohman, S. Malhotra, S. Jain, K. Mathee , and L. A. Silo-Suh. Alginate biosynthesis in <i>Pseudomonas aeruginosa</i> : a stress response. <i>Clinical Microbiology and Infection</i> 5:5S11-13.

Non-Peer Reviewed Research Articles	
2018	
1	B. Colbert, H. Kumari, A. Pinon, L. Frey, S. Pandey, and K. Mathee. Alginate-regulating genes are identified in the clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192. bioRxiv 319004; doi: https://doi.org/10.1101/319004
2	A. Gurkar, D. Balasubramanian, J. Manur, K. Mathee . Potential application of phage therapy for prophylactic treatment against <i>Pseudomonas aeruginosa</i> biofilm Infections. bioRxiv 404145; doi: https://doi.org/10.1101/404145
3	K. Mathee , S. M Leal, E. Newman. Characterization of L-serine deaminases, SdaA (PA2448) and SdaB (PA5379), and their potential role in <i>Pseudomonas aeruginosa</i> pathogenesis bioRxiv 394957; doi: https://doi.org/10.1101/394957
Other Publications/Books	
6	K. Mathee . and N. Mohana-Kumaran. <i>Program and Conference Proceedings: 17th Biennial Pseudomonas Conference: Pseudomonas 2019</i> . 211 pages.
5	K. Mathee , and N. Mohana-Kumaran. <i>Programme and Conference Proceedings: 15th Asian Conference on Transcription (ACT-XV)</i> . 102 pages. 2017
4	K. Mathee , Summary of the 1st International Conference on Tropical Diseases organized by UniKL. In PetriDish. (2012)
3	K. Mathee . <i>Magic of Life</i> . Article written for the Sequentia Exhibit at the Patricia and Phillip Frost Art Museum, October 2010-January 2011 http://www.xaviercortada.com/event/id/69469/Sequentia-a-solo-exhibit-at-the-Frost-Art-Museum.htm
2	K. Mathee , CL. Koh, and MTJ. Ai. <i>Bacteria cell-to-cell communication: A laboratory manual</i> . 'Akademi Sains Malaysia'. 38 pages. 2000
1	K. Mathee , and C.L. Koh. <i>Program and Abstract Book: 7th Asian Conference on Transcription (ACT-VII)</i> . 55 pages. 2002
Editorials	
6	T. Parish, M. Harris, N. Fry, K. Mathee , M.E. Trujillo, S. Bentley S, and N. Thomson. DORA Editorial on Impact factors appeared in the following journal <ul style="list-style-type: none"> • J Med Microbiol. 2018 Dec 5. doi: 10.1099/jmm.0.000887. PMID: 30516466 • Microbiology. 2018 Dec 5. doi: 10.1099/mic.0.000751. [PMID: 30516468 • J Gen Virol. 2019 Jan;100(1):1-2. doi: 10.1099/jgv.0.001191. PMID: 30516467 • Microb Genom. 2018 Dec;4(12). doi: 10.1099/mgen.0.000238. PMID:30516464 • Int J Syst Evol Microbiol. 2019 Jan;69(1):1-2. doi: 10.1099/ijsem.0.003172. PMID:30516461
5	M. N. Schroth, J. J. Cho, S. K. Green1 and S. D. Kominos (2018). Epidemiology of <i>Pseudomonas aeruginosa</i> in agricultural areas. <i>Journal of Medical Microbiology</i> 67:1191–1201 DOI 10.1099/jmm.0.000758. "This article is a republication of a chapter from <i>Pseudomonas aeruginosa: Ecological Aspects and Patient Colonization</i> , edited by Viola Mae Young, Raven Press, New York, 1977. This abstract has been created by the Microbiology Society and was written by Kalai Mathee and Milton Schroth. "
4	K. Mathee . (2018) Forensic investigation into the origin of <i>Pseudomonas aeruginosa</i> PA14 — old but not lost. <i>Journal of Medical Microbiology</i> August 67:1019–1021 DOI 10.1099/jmm.0.000778
3	K. Hardie, N.M. Kumaran, and K. Mathee (2018). Three decades of promoting the beauty and impact of transcription. <i>Microbiology Today</i> , p34, February 18 issue
2	N.K. Fry, and K. Mathee (2018). <i>Journal of Medical Microbiology news</i> . <i>Microbiology Today</i> , p34, February 18 issue

1	N.K. Fry, and K. Mathee (2017). Welcome from Norman Fry and Kalai Mathee, new co-Editors-in-Chief for the Journal of Medical Microbiology. <i>Journal of Medical Microbiology</i> Jul;66(7):846. doi: 10.1099/jmm.0.000520. PMID: 28759351
Theses and Dissertation	
3	Bacteriophage Mu middle operon (1992) <i>PhD Dissertation</i> . University of Tennessee Medical School Memphis, Tennessee <i>Mentor: Prof. Martha M. Howe</i>
2	Plasmids in <i>Neisseria gonorrhoeae</i> isolates (1986) <i>M. Sc Thesis</i> , University of Malaya, Malaysia. <i>Mentor: Prof. Chong-Lek Koh</i>
1	Evaluation of F1 crossbred (Local X German Fawn) for breeding soundness and effect of storage on semen quality (1984) <i>Honors Thesis</i> , University of Malaya, Malaysia. <i>Mentor: Prof. T.K. Mukharjee</i>
Publications Outside Discipline	
1	K. Mathee . Women in Science: A personal Reflection. FIU Diversity Exchange Magazine, Spring 2001. p12-13.
Book	
1	The Rev. Dr. Martin Luther King, Jr. Collection Hardcover – March 31, 2016 by Jonathan Segal , Brett Colbert Kalai Mathee https://www.amazon.com/Rev-Martin-Luther-King-Collection/dp/1367945844/ref=sr_1_3?ie=UTF8&qid=1549298374&sr=8-3&keywords=Martin+Luther+King+Mathee

2.9. PRESENTED LECTURES AND PAPERS

Keynote and Plenary Lectures	
No	Details
2012	
5	Keynote Speaker at the 1 st International Conference on Tropical Medicine and Infectious Diseases: Current Trends, Challenges & Issues. Ipoh, Perak, Malaysia. December 4 th -7 th .
4	Plenary Speaker at the 19 th Scientific Meeting of The Malaysian Society for Molecular Biology and Biotechnology (MSMBB) - From Local to Global: Highlighting the Success of Malaysian Bioscientists. Kuala Lumpur, Malaysia. October 31 st – November 1 st .
2011	
3	Plenary Lecture in University of South Florida, St. Petersburg Fall Genome Festival on <i>Sequentia</i> – Copresented with South Florida Artist, Xavier Cortada. http://www.xaviercortada.com/events/event_details.asp?id=176120 , November
2010	
2	Keynote Speaker , 3 rd Annual Undergraduate Research Life Symposium, Biology Honor Society – Tribeta Chapter. March 27 th . K. Mathee <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection</i>
1998	
1	The European Cystic Fibrosis Conference Berlin, Germany. <i>In the “Late Breaking Science” session</i> . June K. Mathee , O. Ciofu, N. Høiby, D. Ohman, S. Molin and A. Kharazmi. <i>Mucoid conversion of Pseudomonas aeruginosa by activated polymorphonuclear leukocytes: a mechanism for virulence activation in the cystic fibrosis lung.</i>

Invited Lectures	
2020	
104	8th Annual Women in Science Seminar on Steminism, "Breaking barriers and creating boundaries". March 10 th . <i>Breaking barriers in science for women</i>
103	Networking for Hindu professionals. Miami, FL. February 23 rd . <i>How to maintain connectivity without losing your attachment to your roots — my journey</i>
102	REL3308 World religion. January 28 th . <i>Hinduism — what it means to me, how I experience it, how it affects my day to day life?</i>
2019	
101	Indian Institute of Science, December 20 th . <i>Temporal interactions of genes, taxa, and metabolites of the microbiota in patients with inflammatory bowel disease</i> Coauthors: D. Ruiz-Perez, J. Lugo-Martinez, N. Bourguignon, B. Lerner, S. Bhansali, Z. Bar-Joseph, G. Narasimhan, and K. Mathee
100	The 16 th Asian Conference on Transcription, Dunedin, New Zealand. December 1-4 th . <i>Temporal interactions of genes, taxa, and metabolites of the microbiota in patients with inflammatory bowel disease</i> Coauthors: D. Ruiz-Perez, J. Lugo-Martinez, N. Bourguignon, B. Lerner, S. Bhansali, Z. Bar-Joseph, G. Narasimhan, and K. Mathee
99	The 16 th Asian Conference on Transcription, Dunedin, New Zealand. December 1-4 th . <i>Improve your manuscript writing skills by dissecting its anatomy</i>
98	MARC U*STAR Workshop Series, Florida International University, September 26 th . <i>Preparing an oral presentation of your research</i>
97	Summer 2019 Professional and Academic Development Workshop Series, Florida International University, June 28 th . <i>Preparing an oral presentation of your research</i>
96	Imperial College London, May 7 th <i>Improve your manuscript writing skills by dissecting its anatomy</i>
2018	
95	Summer 2018 Professional and Academic Development Workshop Series, Florida International University, July 27 th . <i>Preparing an oral presentation of your research</i>
94	University of North Texas, Denton, April 20 th . <i>Social interaction network studies of lung microbial communities identify cooperating and competing clubs of bacterial taxa</i>
93	The Patricia and Phillip Frost Art Museum, Mixtape Mondays. March 19 th . <i>Microbiome — the art and science of fecal matter</i>
92	6 th Annual Women in Science Seminar, Florida International University, February 22 nd . <i>Steminism — advocating for equality in STEM</i>
91	SRI, MARC U*STAR & NIGMS RISE Summer Workshop Series, Florida International University, February 7 th . <i>Presentation skills for success</i>
2017	
90	American Society of Microbiology Southeastern Branch meeting. St. Petersburg, FL. November 9-12 th . <i>Social interaction network studies of lung microbial communities identify cooperating and competing clubs of bacterial taxa</i>

89	3rd International Conference on Tropical Medicine and Infectious Diseases 2017: 'Global Challenges in Emerging and Re-Emerging of Infectious Diseases', Kuala Lumpur. August 14-17 th . <i>Antimicrobial Resistance — a Major Global Health Threat of the 21st Century and Search for Novel Therapeutic Agents</i> Cancelled due to the passing of my mom on August 10th.
88	Florida International University, SRI, MARC U*STAR & NIGMS RISE Summer Workshop Series - July 30 th . <i>Presentation skills for success</i>
87	University of Miami Professional Development Seminar. June 16 th . <i>How to review a manuscript</i>
86	University of Miami Professional Development Seminar. March 24 th . <i>How to write a manuscript</i>
2016	
85	University of Colorado, Boulder, "Genes, Genomics, Greens and 65 Roses – the Pseudomonas aeruginosa connection", April 28 th .
84	University of Miami Professional Development Seminar. February 21 st . <i>How to deliver an effective presentation</i>
2015	
83	Aravind Eye Hospital, Madurai, Tamilnadu, India. December 29 th . <i>Network studies of lung microbial communities identify cooperating and competing social clubs</i>
82	University of Tungku Abdul Rahman, Kampar, Perak, Malaysia. July 31 st . <i>Social interaction network studies of lung microbial communities identify cooperating and competing clubs of bacterial taxa</i>
81	United Kingdom MRC Laboratory of Molecular Biology, April 2 nd . <i>Social interaction network studies of lung microbial communities identify cooperating and competing clubs of bacterial taxa</i>
2014	
80	University North Texas, Denton, Texas, USA. September 19 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection</i>
79	Sabin Vaccine Institute, Washington, DC, USA. September 5 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection; and SABIN Experience</i>
78	Department of Agricultural Microbiology, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, India. August 7 th . <i>Bacterial communication – jamming to disrupt their conversation</i>
77	Kasthubai Medical College, Manipal University, Manipal, Karnataka State, India, Aug 5 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
76	Pathology Seminar, Uniformed Health Services University, Washinton, DC, June 12 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
75	Annual conference of Society for Microbiology Meeting, Liverpool UK, April 14 th – 17 th . <i>Global control of antibiotic resistance, virulence, stress survival, small RNA, and acute vs chronic infection by Pseudomonas aeruginosa AmpR.</i>
2013	
74	Annual Health Panel, Non-Profit and Global Health Interest Group, Herbert Wertheim College of Medicine, Florida International University. November 14 th . <i>Careers in Global Health</i>

73	103 rd OMICS Group Conference Symposium, Las Vegas, CA, Septemeber 16 th – 17 th . <i>Intricate regulatory circuit of Pseudomonas aeruginosa AmpR revealed through whole genome approach.</i>
72	Ganggagen, Bangalore, India, July 10 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
71	Genotypic India, July 5 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
70	Monash University, Australia - Malaysian Branch. July 2 nd . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
69	University of Tungku Abdul Rahman, Kampar, Perak, Malaysia. June 25 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
68	Department of Biochemistry, Wayne State University, Detroit, Michigan. April 16 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
67	Aravind Eye Hospital, Madurai, Tamilnadu, India, April 12 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
66	Emminent Speaker Series , Algappa University, Karaikudi, taminadu, India, April 11 th . <i>Where science meets art - Sequentia</i>
59-65	Visiting Faculty Lectures, Department of Biotechnology, Alagappa University, Karaikudi, Tamil Nadu, India <ul style="list-style-type: none"> ◆ <i>Genes, Greens and Sixtyfive Roses – Pseudomonas aeruginosa connection</i> ◆ <i>Microbial Metagenomics to Better Understand the Composition of Cystic Fibrosis Lung Microbiome</i> ◆ <i>Beta-lactam Resistance in Pseudomonas aeruginosa</i> ◆ <i>Alginate and Pseudomonas aeruginosa</i> ◆ <i>In Search of Alternate Therapy – Interference with Microbial Messaging</i> ◆ <i>How to Read, Critique and Write a Scientific Paper?</i> ◆ <i>How to Give an Effective Presentation?</i>
2012	
58	Annual Health Panel, Non-Profit and Global Health Interest Group, Herbert Wertheim College of Medicine, Florida International University. November <i>Careers in Global Health</i>
57	Department of Microbiology, University of Mysore, Mysore, India. July 11 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection with emphasis on alternate therapy</i>
56	Mysore Medical College & Research Institute, Mysore, India. July 10 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection with emphasis on antibiotic resistance</i>
55	JSS Medical College & Research Institute, Mysore, India. July 10 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection with emphasis on alginate production</i>
54	High Impach Research Center, University Malaya, October 2 nd . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
53	College of Science and Biotechnology, Chungnam University, Daejeon, South Korea. <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i> June
52	Department of Biochemistry & Molecular Biology, School of Medicine & Health Sciences, University North Dakota, Grand Forks, North Dakota. <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i> May

2011	
51	Joint lecture with the artist Xavier Cortada, University of South Florida St. Petersburg, Florida November 3 rd . The Art of DNA http://crowsneststpete.com/2011/11/09/the-art-of-dna/
2010	
50	Target Wednesday After Hours, The Patricia and Phillip Frost Art Museum, Florida International University. November 10 th . <i>Sequentia: Genetic Sequence Analysis</i>
49	11 th Asian-Oceanic Conference on Transcription (ACT-11), Okinawa, Japan. July 1 st – 4 th . <i>Pseudomonas aeruginosa AmpR, a LysR-Type regulator is essential for inducing expression of AmpC β-lactamase</i>
2009	
48	Herbert Wertheim College of Medicine Distinguished Seminar Series. November 20 th . <i>Genes, Greens and 65 Roses – the Pseudomonas aeruginosa connection.</i>
46-7	Two lectures: Mount Sinai Hospital, Miami Beach, Florida. October 2 nd : <i>Mutations and Repair Systems</i> October 4 th : <i>Polymerase Chain Reaction</i>
45	Mount Sinai Hospital, Miami Beach, Florida. Aug 24 th . <i>DNA Replication</i>
44	Mount Sinai Hospital, Miami Beach, Florida. Aug 24 th . <i>The Chemical Nature of the Gene</i>
43	Grand Rounds at Mount Sinai Hospital, Miami Beach, Florida. June 19 th . <i>Pseudomonas aeruginosa: How do we combat chronic Infections in cystic fibrosis?</i>
42	Grand Rounds, Division of Pulmonary and Critical Care Medicine, University of Miami, FL. March 4 th . <i>Molecular genetic studies of Pseudomonas aeruginosa pathogenicity.</i>
2008	
41	St. Lucie – Okeechobee County Medical Society Annual Education Conference. November 8 th . <i>Vaccination</i>
40	Wright Symposium. Jackson Laboratories, Bangor, Maine. October 1 st – 5 th . <i>Pseudomonas aeruginosa and cystic fibrosis</i>
36-9	Mount Sinai Hospital, Miami Beach, Florida. <ul style="list-style-type: none"> ◆ April 4th – <i>Chromosome structure and the chemical nature of the gene</i> ◆ April 18th – <i>DNA replication</i> ◆ April 25th – <i>Mutations and repair systems</i> ◆ May 23rd – <i>Polymerase chain reaction</i>
35	9 th Comparative Immunology Symposium. Immunodiversity: Cellular and molecular interactions. Miami, FL. March 6 th – 7 th . <i>Dynamics of Pseudomonas aeruginosa genome evolution</i>
34	10 th Asian-Pacific Conference on Transcription (ACT-X), Bangalore, India. January 13 th – 16 th . <i>Regions of genome plasticity in Pseudomonas aeruginosa revealed by comparative genomics.</i>
2007	
33	Postgraduate Institute of Medical Education and Research, Chandigarh, India. December <i>Potential application of microbial metagenome profiling using amplicon length heterogeneity-polymerase chain reaction (ALH-PCR) for polymicrobial diseases.</i>

32	8 th Biomedical and Comparative Immunology Symposium. Immunodiversity: Cellular and Molecular Interactions. March <i>The ability of the South Florida medicinal plants to inhibit bacterial virulence through interruption of cell-cell communication.</i>
31	Lory Lab Meeting, Harvard Medical School, February. <i>Pseudomonas aeruginosa amp genes and β-lactam resistance</i>
2006	
30	1 st First International Conference on Forensic Science, Costa Rica. November. <i>Potential application of microbial metagenome profiling using amplicon length heterogeneity-polymerase chain reaction (ALH-PCR) for crime scene investigations.</i>
29	Lory Lab Meeting, Harvard Medical School. September. <i>Pseudomonas aeruginosa algO encodes a putative periplasmic protease that is a positive regulator of alginate production.</i>
28	MGH Monthly Pathogenesis Club, Department of Molecular Biology. MGH, Boston. September <i>Pseudomonas aeruginosa algO encodes a putative periplasmic protease that is a positive regulator of alginate production.</i>
2005	
27	9 th Asian Conference on Transcription (ACT-IX), Taipei, Taiwan. December. <i>Prc(<i>tsp</i>), a novel protease involved in the regulation of Pseudomonas aeruginosa extracytoplasmic function sigma factor AlgT/U.</i>
26	Second Annual McNair Post Baccalaureate Achievement Program 2005 Summer Research Institute Closing Ceremony, FIU. July. <i>How does one measure the success of the McNair Program?</i>
25	7 th Comparative Immunology Symposium. Immunodiversity: Cellular and molecular interactions. March. <i>Pseudomonas aeruginosa AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB β-lactamases, proteases, quorum sensing and other virulence factors.</i>
24	Annual FIU College of Science's External Advisory Board Meeting, Colonnade Hotel, Coral Gables, Miami Florida. February. <i>Biomedical and forensic research training: The role of students.</i>
2004	
23	Forensic Science Symposium 2004, Ft Lauderdale, FL. February 27 th – 28 th . <i>Nonhuman DNA: Application of microbial community analysis for crime scene investigations.</i>
22	FIU Department of Biological Sciences Seminar Series. <i>Nonhuman DNA: Application of microbial community analysis for crime scene investigations.</i> March
21	80 th Annual American Chemical Society Meeting – FAME 2004. Orlando, FL. May 6 th – 8 th . Mathee, K., D. Mills, S. Miller, S. King, J. Entry, and G. Narasimhan. <i>Microbial forensics: Application of microbial community metagenome analysis for crime scene investigations. Abstract #68</i>
2002	
20	Dietetics and Nutrition Seminar Series, FIU. December. <i>Ginseng to the rescue of cystic fibrosis patients</i>
19	Malaysia Nurses Association, Penang Branch, Malaysia. August. <i>Women's challenges in the new millennium. August</i>

17-8	Institute of Biological Sciences (Genetics), University of Malaya, Kuala Lumpur, Malaysia. August. ♦ <i>Microbial cell-to-cell communication and search for interrupters.</i> ♦ <i>Molecular Identification of Microbes using the 16S rRNA.</i>
16	Prokaryotic Interest Group, Florida International University. April. <i>Molecular identification of microbes using the 16S rRNA.</i>
15	Liberal Studies Colloquium, Florida International University. March. <i>Plagues in medicine and myth.</i>
2001	
14	Gangagen Biotechnologies PVT, Ltd., Bangalore, India. December. <i>Chronic infection with Pseudomonas aeruginosa: alginate, biofilms, alternate therapy and the host immune response.</i>
13	The Dean's Seminar Series, College of Health Sciences, University of Florida, Gainesville. November. <i>Role of polymorphonuclear leukocytes and alginate production in the Pseudomonas aeruginosa biofilms in the lungs of cystic fibrosis patients.</i>
12	14 th Evergreen International Phage Meeting, Olympia, WA. August. <i>Potential alternate therapies against Pseudomonas aeruginosa biofilm growth</i>
2000	
11	Rotary Club of Kuala Lumpur West at the Royal Selangor Club, Malaysia. October. <i>Communication between bacteria.</i>
1999	
10	University of Tennessee-Memphis, College of Medicine, Department of Microbiology and Immunology, Memphis, Tennessee. May. <i>Mechanism of mucoid conversion in Pseudomonas aeruginosa associated with chronic pulmonary infection in patients with cystic fibrosis.</i>
9	Technical University of Denmark, Department of Microbiology, Lyngby, Denmark. May. <i>Cloning and characterization of the alginate biosynthetic genes of Pseudomonas fluorescens</i>
8	Basic & Clinical Research of Chronic <i>Pseudomonas aeruginosa</i> Lung Infection in Cystic Fibrosis and Diffuse Panbronchiolitis - East meets West. Copenhagen, DK. March 17 th – 19 th . <i>Induction of alginate production in vivo.</i>
1998	
7	Technical University of Denmark, Department of Microbiology, Lyngby, Denmark. June K. Mathee , O. Ciofu, N. Højby, D. Ohman, S. Molin and A. Kharazmi. <i>Molecular mechanism responsible for the conversion of non-mucoid to the fatal mucoid form of Pseudomonas aeruginosa in the lungs of cystic fibrosis patients.</i>
1997	
6	Centre Medical Universitaire, Departement de Biochimie Medicale, Geneve, Switzerland. November. <i>Conversion of non-mucoid to the mucoid form of Pseudomonas aeruginosa is associated with chronic pulmonary infection in cystic fibrosis</i>
5	Technical University of Denmark, Department of Microbiology, Lyngby, Denmark. <i>Conversion of non-mucoid to the fatal mucoid form of Pseudomonas aeruginosa in the lungs of cystic fibrosis patients is induced by oxygen radicals</i>
4	University of Copenhagen, Rigshospitalet, Department of Clinical Microbiology, Denmark. November.

	<i>Role of hydrogen peroxide in the conversion of non-mucoid to the fatal mucoid form of Pseudomonas aeruginosa in the lungs of cystic fibrosis patient.</i>
3	Technical University of Denmark, Department of Microbiology, Lyngby, Denmark. April. <i>Alginate gene regulation by alternative sigma factor in Pseudomonas aeruginosa</i>
1996	
2	1 st ASM Conference on Microbial Biofilms. September. Snowbird, Utah. <i>The role of an alternative sigma factor in alginate regulation.</i>
1995	
1	University of Malaya, Faculty of Medicine, Department of Medical Microbiology, Malaysia. December. <i>Regulation of alginate production.</i>

Oral Presentations at Conferences

No	Authors, Title, Venue, Date
17	Microbiology Society Annual Conference, Birmingham, UK. 10 th – 13 th April, 2018 ♦ K. Mathee , M. Fernandez, A. Wanner, L. Schneper, J. Segal, JD. Riveros, V. Aguiar-Pulido, M. Salathe, and G. Narasimhan. Social interaction network studies of lung microbial communities identify cooperating and competing clubs of bacterial taxa
15-16	Publishers Professional Development Workshops hosted by Microbiology Society. Annual Microbiology Society Meeting in Edinburgh, Scotland. April 4 th , 2016 ♦ K. Mathee and N. Fry. How to write a manuscript (10:00 am to 1:00 pm) ♦ K. Mathee and N. Fry. How to review a manuscript (2:00 pm to 5:00 pm)
14	14 th Asian Conference on Transcription (ACT-IX), Singapore. 3 rd -4 th December, 2015. ♦ K. Mathee and G. Tatke. <i>Pseudomonas aeruginosa</i> MifS-MifR two-component system is involved in C ₅ -dicarboxylate α -ketoglutarate transport and virulence.
13	12 th Asian Conference on Transcription (ACT-IX), Jeju Island, Korea. June 6-9 th . 2012. ♦ <i>The regulatory repertoire of Pseudomonas aeruginosa AmpC Regulator AmpR includes multiple virulence genes</i>
12	Annual Meeting of the Florida Branch American Society for Microbiology, St. Petersburg, FL. October 6 th – 8 th , 2007. ♦ K. Mathee , K.F. Kong and A. Adonizio. <i>Use of south Florida medicinal plants to inhibit quorum sensing</i>
11	9 th Asian Conference on Transcription (ACT-IX), Zhunan Town, Taiwan. December 12 th – 15 th , 2005. ♦ R.T. Sautter, and K Mathee . <i>Prc(tsp), a novel protease involved in the regulation of Pseudomonas aeruginosa extracytoplasmic function sigma factor AlgT/U</i>
10	7 th Comparative Immunology Symposium. Immunodiversity: Cellular and molecular interactions. Miami, FL. March 4 th – 5 th . 2005. ♦ K. Mathee , K.F. Kong and S.R. Jayawardena. <i>Pseudomonas aeruginosa AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB β-lactamases, proteases, quorum sensing and other virulence factors.</i>
9	27 th European Cystic Fibrosis Conference. Birmingham, UK. June 12 th – 17 th , 2004. ♦ S. Miller, D. Mills, T. Pressler, C. Koch, and K. Mathee . <i>Fingerprinting of cystic fibrosis sputum metagenome reveals unique amplicon length heterogeneity (ALH) profiles for each patient.</i>
8	24 th European Cystic Fibrosis Conference, Vienna, Austria. June 6 th – 9 th , 2001. ♦ A Plata, M. Hentzer, N. Hoiby, S. Molin, A. Kharazmi, and K. Mathee . <i>Activation of alginate genes by polymorphonuclear leukocytes.</i>

7	6 th Asian Conference on Transcription (ACT-VI), Beijing, China. October 23 rd – 27 th , 2000. ♦ K. Mathee , M. Hentzer, and O. Ciofu. <i>Inverse relationship between alginate production and other extracellular virulence factors in Pseudomonas aeruginosa is mediated by quorum sensing system.</i>
6	13 th International Cystic Fibrosis Congress, Stockholm, Sweden. June 4 th – 8 th , 2000. ♦ K. Mathee , M. Hentzer, A. Heydorn, N. Høiby, D. Ohman, S. Molin, and A. Kharazmi. <i>Microcolony formation of Pseudomonas aeruginosa in cystic fibrosis lungs is influenced by infiltrating polymorphonuclear leukocytes.</i> Abstract #332.
5	2 nd Annual Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, Cold Spring Harbor, NY. September 22 nd – 26 th , 1999. ♦ K. Mathee , M. Hentzer, A. Heydorn, M. Givskov, N. Høiby, D. Ohman, S. Molin, and A. Kharazmi. <i>The structure of Pseudomonas aeruginosa biofilms in lungs of cystic fibrosis patients may be dictated by host immune response.</i>
4	The Annual Meeting of the Cold Spring Harbor Laboratories on Molecular Genetics of Bacteria and Phages, Cold Spring Harbor, NY. August 25 th – 30 th , 1998. ♦ K. Mathee , O. Ciofu, C. Sternberg, P. Lindum, J. Campbell, P. Jensen, A.H. Jøhansen, D. Ohman, M. Givskov, S. Molin, N. Høiby, and A. Kharazmi. <i>Conversion to the mucoid form of Pseudomonas aeruginosa, associated with chronic pulmonary infection in cystic fibrosis, can be induced by hydrogen peroxide or activated polymorphonuclear leucocytes.</i> Abstract #165.
3	4 th Asian Conference on Transcription (ACT-IV), Hayama, Kanagawa, Japan. March 30 th – April 2 nd , 1996. ♦ K. Mathee , and D.E. Ohman. <i>Evidence of post-translational regulation of algT that encodes an alternative sigma factor in Pseudomonas aeruginosa involved in alginate gene regulation.</i> Abstract #57.
2	The Annual meeting on the Molecular Genetics of Bacteria and Phages, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. August 1992. ♦ K. Mathee , and M.M. Howe. <i>Mor-dependent activation of the phage Mu middle promoter requires the E. coli σ^{70} subunit and core polymerase.</i> Abstract #111.
1	The Annual Meeting on the Molecular Genetics of Bacteria and Phages. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. August 1990. ♦ K. Mathee , and M.M. Howe. <i>Identification of a positive regulator for bacteriophage Mu middle operon transcription.</i> Abstract #89.

Oral Presentations at Conferences or Other Venues by Students/Fellows/Collaborators

No	Authors, Title, Venue
2018	
74	Summer Research Internship Mini Symposium, FIU ♦ P.L. Reyes , E. Bostovironnois, S. Dhar and K. Mathee . Role of <i>flgJ</i> in β -lactam resistance of <i>Pseudomonas aeruginosa</i> Pedro received "honorable mention"
72 – 73	Microbiology Society Annual Conference, Birmingham, UK. 10 th – 13 th April ♦ G. Narasimhan , and K. Mathee . Network-based approaches to analyze multi-omic data sets from lung microbiome. ♦ D. Ruiz-Perez , B. Colbert, M. Coudray, H. Kumari, P. Madhivanan, G. Narasimhan, and K Mathee . Vaginal microbial profile of women with asymptomatic bacterial vaginosis in the USA.

71	<p>20th Annual Biomedical and Comparative Immunology Symposium, Florida International University, Modesto Maidique Campus, Miami, Florida. 8th – 9th March</p> <ul style="list-style-type: none"> ◆ S. Dhar, H. Kumari, and K Mathee. Elucidating the role of PA1085 in <i>Pseudomonas aeruginosa</i>. ◆ D. Ruiz-Perez, B. Colbert, M. Coudray, H. Kumari, P. Madhivanan, G. Narasimhan, and K Mathee. Vaginal microbial profile of women with asymptomatic bacterial vaginosis in the USA. <p>Dhar was awarded 1st price for Communication in Science Award presented by the Microbiology Society (UK).</p>
2017	
70	<p>American Society of Microbiology Southeastern Branch meeting. St. Petersburg, FL. November 10th – 12th.</p> <ul style="list-style-type: none"> ◆ S. Dhar, M. Lee, S. Beneditti, D. Heseck, W. Boggess, H. Kumari, L. Schneper, S. Mobashery, and K. Mathee. Characterization of muramyl peptides that regulate antibiotic resistance in <i>Pseudomonas aeruginosa</i>.
68 – 69	<p>MARC U*STAR & MBRS RISE Student Mini-Symposium Florida International University, Modesto Maidique Campus, Miami, Florida. October 12th – 13th.</p> <ul style="list-style-type: none"> ◆ A. Pinon and K. Mathee. Identification of second-site mutation in clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192 ◆ M. Lorenzo, and K. Mathee. Tricarboxylic acid (TCA) cycle Intermediate C6-tricarboxylate utilization by <i>Pseudomonas aeruginosa</i> requires RpoN-dependent transporter.
67	<p>American Society of Microbiology (ASM) Microbe Meeting Oral Session. New Orleans, Louisiana. June 3rd.</p> <ul style="list-style-type: none"> ◆ B. Colbert, H. Kumari, L. Frey, S. Pandey, and K. Mathee. <i>Identification of alginate regulating genes in the clinical Pseudomonas aeruginosa isolate PA2192</i>. Abstract # 2017-A-2696-MICROBE <p>Brett received a travel award.</p>
64 - 66	<p>Biology and Comparative Immunology Symposium, Florida International University, Modesto Maidique Campus, Miami, Florida. March 31st.</p> <ul style="list-style-type: none"> ◆ B. Colbert, H. Kumari, L. Frey, S. Pandey, and K. Mathee. <i>Identification of alginate regulating genes in the clinical Pseudomonas aeruginosa isolate PA2192</i>. ◆ S. Shaikh*, R. Obando*, M. Jani, V. Aguiar-Pulido, H. Kumari, G. Narasimhan, R. Azad, and K. Mathee. <i>Genome assembly of Pseudomonas aeruginosa CDN118</i>. ◆ S. Dhar, M. Lee, D. Heseck, S. Bendetti, S. Mobashery, and K. Mathee. <i>Identification of effectors of AmpR in Pseudomonas aeruginosa regulating β-Lactam resistance</i> <p>Brett and Sameer were awarded 1st and 2nd price for Communication in Science Award presented by the Microbiology Society (UK).</p>
2016	
63	<p>Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society of Microbiology, Tampa, Florida, 2016 November 10th.</p> <ul style="list-style-type: none"> ◆ B. Colbert, H. Kumari, L. Frey, S. Pandey, and K. Mathee. <i>Identification of alginate regulating genes in the clinical Pseudomonas aeruginosa isolate PA2192</i>. <p>Brett was placed first at Oral Presentation Award</p>
2015	
62	<p>MARC U*STAR & MBRS RISE Student Mini-Symposium Florida International University, Modesto Maidique Campus, Miami, Florida. September 9th.</p> <ul style="list-style-type: none"> ◆ L. Frey, B. Brett, S. Pandey, and K. Mathee. <i>Involvement of a sigma factor AlgT/U in the conversion of mucoid to nonmucoidy in a clinical Pseudomonas aeruginosa isolate</i>.
59-61	<p>2015 Graduate Student Appreciation Week (GSAW), Florida International University. April 6th</p>

	<ul style="list-style-type: none"> ◆ G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. <i>Characterizing the role of MifSR two-component system proteins in regulating Pseudomonas aeruginosa metabolism.</i> ◆ S. Dhar, M. Lee, H. Kumari, S. Mobashery, and K. Mathee. <i>Identification of Pseudomonas aeruginosa AmpR effectors that affect β-lactam resistance.</i> ◆ S. Pandey, C. Ceballos, L. Florez, and K. Mathee. <i>Outer membrane protein LptD/OstA has a novel role in the regulation alginate synthesis in Pseudomonas aeruginosa.</i>
56	<p>17th Annual Biomedical and Comparative Immunology Symposium, Florida International University. March</p> <ul style="list-style-type: none"> ◆ G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, S. Mustafi, M.A. Barbieri, and K. Mathee. <i>Functional analysis to characterize the role of MifSR two-component system proteins in regulating Pseudomonas aeruginosa pathogenesis.</i> <p>Gorakh was placed second at Oral Presentation Award at graduate level</p>
55	<p>17th Annual Biology Research Symposium that was held in the Marine Sciences Building at BBC, January.</p> <ul style="list-style-type: none"> ◆ G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. <i>Characterizing the role of MifSR two-component system proteins in regulating Pseudomonas aeruginosa pathogenesis.</i> <p>Gorakh was placed second at Oral Presentation Award at graduate level</p>
2014	
53-54	<p>MARC U*STAR & MBRS RISE Student Mini-Symposium Florida International University, Modesto Maidique Campus, Miami, Florida. October 9th.</p> <ul style="list-style-type: none"> ◆ K. Morales, H. Kumari, and K. Mathee. <i>Screening for scaffold-based chemical library for Pseudomonas aeruginosa AmpR inhibitors.</i> ◆ R. Obando, G. Narasimhan, and K. Mathee. <i>Molecular basis of multi-drug resistant Pseudomonas aeruginosa isolate.</i>
52	<p>American Thoracic Society International Conference, San Diego, CA, May 18th.</p> <ul style="list-style-type: none"> ◆ M. Campos, M. Fernandez, A. Wanner, G.E. Holt, E. Donna, E.S. Mendes, J. Fishman, J. Infante, M. Jaric, E. Silva-Herzog, L. Schenepfer, J. Segal, D. Moraga, K. Mathee, M.A. Salathe, and G. Narasimhan. <i>Microbial associations in the lungs differ by smoking and COPD status.</i>
50-51	<p>16th Annual Biomedical and Comparative Immunology Symposium, Florida International University. February 13th – 14th.</p> <ul style="list-style-type: none"> ◆ GD Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. <i>Characterizing the role of MifSR two-component system proteins in regulating Pseudomonas aeruginosa metabolism</i> ◆ L. Apolis, R. Batra, L. Schenepfer, and K. Mathee. <i>Inhibition of quorum sensing by <i>Bucida buceras</i> in conjunction with antibiotics to attenuate virulence in Pseudomonas aeruginosa.</i> <p>Gorakh won Best Oral Presentation Award at graduate level; and Liana was placed second at the undergraduate level</p>
2013	
49	<p>Annual Biomedical Research Conference for Minority Students (ABRCMS): Preparing scientists for the 21st Century. American Society for Microbiology.</p> <ul style="list-style-type: none"> ◆ L. Apolis, R. Batra, L. Schenepfer, and K. Mathee. <i>Inhibition of quorum sensing by <i>Bucida buceras</i> in conjunction with antibiotics to attenuate virulence in Pseudomonas aeruginosa</i>
48	<p>Aravind Eye Hospital, Madurai, Tamil Nadu, India.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian. <i>The regulatory repertoire of Pseudomonas aeruginosa AmpC β-lactamase regulator AmpR includes virulence genes.</i>

47	<p>Algappa University, Karaikudi, Tamil Nadu, India.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian. <i>The regulatory repertoire of Pseudomonas aeruginosa AmpC β-lactamase regulator AmpR includes virulence genes.</i>
46	<p>University of Mysore, Mysore, Karnataka State, India.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian. <i>The regulatory repertoire of Pseudomonas aeruginosa AmpC β-lactamase regulator AmpR includes virulence genes.</i>
2012	
44-45	<p>MARC U*STAR & MBRS RISE Student Mini-Symposium Florida International University, Modesto Maidique Campus, Miami, Florida. October 8th – 9th.</p> <ul style="list-style-type: none"> ◆ D. Zincke, D. Balasubramanian, O. Caille, C. R. de Lombares, L. Scheneper, and K. Mathee. <i>Characterization of the poxAB operon in Pseudomonas aeruginosa.</i> ◆ L. Apolis, R. Batra, L. Schneper, and K. Mathee. <i>Anti-Pseudomonas aeruginosa activity of Bucida bucera aqueous extracts alone and in combinations with antibiotics.</i>
43	<p>MMID Research Seminar. Friday June 15th.</p> <ul style="list-style-type: none"> ◆ C. Delgado. <i>Pseudomonas aeruginosa Regulated Intramembrane proteolysis (RIP) protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants</i>
42	<p>14th Annual Biomedical and Comparative Immunology Symposium, Florida International University. March</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian, L. Schneper, M. Merighi, R. Smith, G. Narasimhan, and S. Lory and K. Mathee. <i>The regulatory repertoire of Pseudomonas aeruginosa AmpC β-lactamase regulator AmpR includes virulence genes.</i> <p>Deepak won Best Oral Presentation Award</p>
41	<p>5th Annual Undergraduate Research Life Symposium, Florida International University. January</p> <ul style="list-style-type: none"> ◆ I. V. Lollett, C. Delgado, L. Florez, L. Schneper, and K. Mathee. <i>Restoration of the mucoid phenotype in Pseudomonas aeruginosa algO mutants by mucP Pseudomonas aeruginosa</i> <p>Ivonne received Honorable Mention for her oral presentation</p>
40	<p>14th Annual Biology Research Symposium that was held in the Marine Sciences Building at BBC, January.</p> <ul style="list-style-type: none"> ◆ I. V. Lollett, C. Delgado, L. Florez, L. Schneper, and K. Mathee. <i>Mapping second site suppressor mutations in nomucoid reversion mutants of mucoid Pseudomonas aeruginosa</i>
2011	
39	<p>Annual Biomedical Research Conference for Minority Students, St. Louis, Missouri. November 9th – 12th.</p> <ul style="list-style-type: none"> ◆ L. Ramirez, E. Silva-Herzog, H. Kumari, L. Schneper, and K. Mathee. <i>Characterization of Pseudomonas aeruginosa MifSR two-component system.</i> <p>Lourdes won the Best Presentation Award. She shared the podium with a Yale undergraduate.</p>
38	<p>MARC U*STAR & MBRS RISE Student Mini-Symposium Florida International University, Modesto Maidique Campus, Miami, Florida. October</p> <ul style="list-style-type: none"> ◆ I. V. Lollett, C. Delgado, L. Florez, L. Schneper, and K. Mathee. <i>Mapping second site suppressor mutations in nomucoid reversion mutants of mucoid Pseudomonas aeruginosa</i>
37	<p>4th Annual Undergraduate Research Life Symposium, Florida International University. April</p> <ul style="list-style-type: none"> ◆ S. Kangeyan, L. Florez, L. Schneper, and K. Mathee. <i>Mapping mutations responsible for the nonmucoid reversion phenotype of mucoid Pseudomonas aeruginosa</i>

	Shiva won the Best Presentation Award. [Shiva is freshman at highschool]
36	13 th Annual Biology Research Symposium, Marine Sciences Building, Florida International University. January <ul style="list-style-type: none"> ◆ D. Balasubramanian, K.F. Kong, S. Jayawardena, S. Leal, R. Sautter, and K. Mathee. <i>Co-regulation of β-lactam resistance, alginate production and quorum sensing in Pseudomonas aeruginosa</i>
2010	
33-35	MARC U*STAR & MBRS RISE Student Mini-Symposium Florida International University, Modesto Maidique Campus, Miami, Florida. November 4 th –5 th . <ul style="list-style-type: none"> ◆ G. Perez, R. Bosse, L. Schneper, and K. Mathee. <i>Iron transport: The role of PA4157 in Pseudomonas aeruginosa</i> ◆ D. Zincke, and K. Mathee. <i>Investigating the contribution of the poxAB operon to β-lactam resistance in Pseudomonas aeruginosa</i> ◆ G. Furicchia, I. Schneper, and K. Mathee. <i>Mucoid reversion phenomenon in cystic fibrosis clinical Pseudomonas aeruginosa isolate PA2192</i>
31-32	3 rd Annual Undergraduate Research Life Symposium, Florida International University, March 27 th <ul style="list-style-type: none"> ◆ C. Ceballos, L. Florez, L. Schneper, and K. Mathee. <i>Mapping mutations responsible for the nonmucoid reversion phenotype of mucoid Pseudomonas aeruginosa</i> ◆ M. Rodriguez, N. Maricic, L. Schneper, and K. Mathee. <i>Dismantling bacterial offenses that cause debilitating human infections by jamming their communication</i> <p>Camilla and Laura won the Best Presentation Award. Michael was placed second in the Best Presentation Award.</p>
29-30	12 th Annual Biology Research Symposium that was held in the Marine Sciences Building at BBC on Saturday, February 6 th . <ul style="list-style-type: none"> ◆ D. Balasubramanian, K. Turner, M. Merighi, S. Dove, S. Lory, L. Schneper, and K. Mathee. <i>Pseudomonas aeruginosa AmpR, a novel virulence regulator</i> ◆ D. Zincke, D. Balasubramanian, K-F. Kong, L. Schneper, and K. Mathee. <i>Characterization of the poxAB operon in Pseudomonas aeruginosa.</i> <p>Deepak received Honorable Mention for the Presentation.</p>
2009	
28	2009 Graduate Student Association Annual Scholarly Forum, Florida International University. April <ul style="list-style-type: none"> ◆ M. Doud, P. Gillivet, M. Light and K. Mathee. <i>Community sequencing analysis of bacterial communities found within cystic fibrosis lung.</i>
2008	
27	The 22 nd Annual North American Cystic Fibrosis Conference, Orlando, Florida. October 23 rd – 25 th . <ul style="list-style-type: none"> ◆ M. Doud, N. Baker, L. Schneper, M. Light, J. Martinez, and K. Mathee. <i>Molecular analysis showing diverse respiratory fungal infections in south Florida cystic fibrosis patients.</i>
26	8 th Comparative Immunology Symposium. Immunodiversity: Cellular and Molecular interactions. Miami, FL. March 6 th – 7 th . <ul style="list-style-type: none"> ◆ N. Baker, M. Doud, L. Scheneptr and K. Mathee. <i>Fungal analysis of the cystic fibrosis lung using Amplicon Length Heterogeneity – Polymerase Chain Reaction</i> <p>Melissa received the third prize for the Presentation Award</p>
24 - 25	10 th Annual Biology Research Symposiu, Kampong Botanical Gardens, Miami, FL, February 16 th . <ul style="list-style-type: none"> ◆ D. Balasubramanian, L. Schneper, O. Caille, M. Merighi, A. Brencic, R. Smith, E. Zeng,

	<p>S. Lory, G. Narasimhan, K. Mathee. <i>Elucidating the Pseudomonas aeruginosa AmpR regulon.</i></p> <ul style="list-style-type: none"> ◆ M.S. Doud, N. Baker, L. Schneper, K. Mathee. <i>Metagenomic analysis of the cystic fibrosis lung using Amplicon Length Heterogeneity Polymerase Chain Reaction.</i> <p>Melissa was placed second in the Best Presentation Award.</p>
2007	
23	<p>2007 Annual Meeting of the Florida Branch American Society for Microbiology, St. Peterburg, FL. October 6th – 8th.</p> <ul style="list-style-type: none"> ◆ M. Doud and K. Mathee. <i>Molecular analysis cystic fibrosis sputum metagenome using Amplicon Length Heterogeneity – Polymerase Chain Reaction (ALH-PCR)</i> <p>Melissa was placed second in the Best Presentation Award in the Graduate Students Category.</p>
22	<p>FIU Minority Biomedical Research Mini-Symposium. University Park. FL. September 27th.</p> <ul style="list-style-type: none"> ◆ M. Doud and K. Mathee. <i>Molecular analysis of the polymicrobial disease, cystic fibrosis, using Amplicon Length Heterogeneity – Polymerase Chain Reaction (ALH-PCR)</i> <p>Melissa won the Best Presentation Award in the Graduate Students Category</p>
2006	
21	<p>47th Annual Meeting of the Society for Economic Botany in Chiang Mai, Thailand. June 5th – 9th.</p> <ul style="list-style-type: none"> ◆ A. Adonizio, K.F. Kong, and K. Mathee. <i>Anti-quorum sensing potential of South Florida medicinal plants and the attenuation of Pseudomonas aeruginosa pathogenicity</i>
20	<p>American Academy of Forensic Sciences Annual Meeting. February</p> <ul style="list-style-type: none"> ◆ L. I. Moreno, D. Mills, J. Entry, R. Sautter, and K. Mathee. <i>Potential use of Microbial DNA in soil forensic.</i> <p>Lilliana's abstract was selected publication of the full article at the Journal of Forensic Science</p>
19	<p>8th Biomedical and Comparative Immunology Symposium. Immunodiversity: Cellular and molecular interactions. Miami, FL. March 3rd – 4th.</p> <ul style="list-style-type: none"> ◆ A. Adonizio, and K. Mathee. <i>Anti-quorum sensing agents from South Florida medicinal plants and their potential to attenuate Pseudomonas aeruginosa pathogenicity</i> <p>Allison received the second prize for the Presentation Award</p>
2005	
18	<p>45th Annual International Conference on Antimicrobial Agents and Chemotherapy (ICAAC), New Orleans, LA. September 21st – 24th.</p> <ul style="list-style-type: none"> ◆ K.F. Kong, S.R. Jayawardena, S. Indulaker, A. del Puerto, C. Koh, N. Høiby, and K. Mathee. <i>Pseudomonas aeruginosa AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB b-lactamases, proteases, quorum sensing and other virulence factors.</i> <p>Kok-Fai received a travel award to this meeting. However, it was cancelled due to the Hurricane Katrina.</p>
17	<p>46th Annual Meeting of the Society for Economic Botany at Texas Christian University, Ft. Worth, TX. June 5th – 10th.</p> <ul style="list-style-type: none"> ◆ A. Adonizio, K. Downum, B. Bennett, and K. Mathee. <i>Anti-quorum sensing compounds from plants: expanding or view of anti-bacterial efficacy</i>
15	<p>81st Annual American Chemical Society Meeting – FAME 2005. Orlando, FL. May 6th – 8th.</p> <ul style="list-style-type: none"> ◆ L. Moreno, D. Mill, J. Entry, R.T. Sautter, and K. Mathee. <i>Molecular and chemical characterization of three Miami-Dade soil types for forensic comparison</i>

16	2005 Graduate Student Association Annual Scholarly Forum, March. <ul style="list-style-type: none"> ◆ M. Doud, S. Miller, D. Mills, and K. Mathee. <i>Profiling of microbial communities using amplicon length heterogeneity-polymerase chain reaction</i> Ms. Doud won the first prize for oral presentation in the Life Sciences Category.
2004	
14	The Joint 45th Annual Meeting of the Society for Economic Botany with the International Society of Ethnobiology and the 8th International Society for Ethnopharmacology at University of Kent at Canterbury, UK. June 13 th – 17 th . <ul style="list-style-type: none"> ◆ A. Adonizio, K. Downum, B. Bennett, and K. Mathee. <i>Identification of quorum sensing inhibitors in South Florida medicinal plants: an understudied aspect of efficacy</i> Ms. Adonizio received the best presentation award.
13	6th Comparative Immunology Symposium. Immunodiversity: Cellular and molecular interactions. Miami, FL. March 4 th – 5 th . <ul style="list-style-type: none"> ◆ K-F. Kong, S. Jayawardena, A. del Puerto, and K. Mathee. <i>Characterization of poxA, a chromosomal-encoded Pseudomonas aeruginosa oxacillinase.</i>
12	2003/2004 Biology Research Symposium, FIU, Miami, FL. January 31 st . <ul style="list-style-type: none"> ◆ R. Sautter, D. Ramos, and K. Mathee. <i>Molecular mechanisms involved in the mucoid-to-nonmucoid conversion of Pseudomonas aeruginosa</i>
2003	
11	FIU MBRS Mini-Symposium. University Park. FL. October 1 st . <ul style="list-style-type: none"> ◆ R. Sautter, and K. Mathee. <i>Molecular mechanisms involved in the mucoid-to-nonmucoid conversion of Pseudomonas aeruginosa</i>
2002	
10	FIU MBRS Mini-Symposium. University Park Campus, Miami, FL. October 2 nd . <ul style="list-style-type: none"> ◆ A. Aguila, and K. Mathee. <i>Topology analysis of Pseudomonas aeruginosa AmpG, a putative permease</i>
9	7th Asian Conference on Transcription (ACT-VII), Kuala Lumpur, Malaysia. July 23 rd – 27 th . Ms. Ramos received numerous travel awards from various sources. <ul style="list-style-type: none"> ◆ G. Narasimhan, C. Bu, Y. Gao, X. Wang, N. Xu, G. Zheng, and K. Mathee. <i>Mining protein sequences for motifs</i>. Abstract #7033.
8	4th Comparative Immunology Symposium. Miami, FL. February 28 th – March 1 st . <ul style="list-style-type: none"> ◆ Z. Song, H. Wu, A. Kharazmi, N. Høiby, O. Ciofu, J. Rygaard, and K. Mathee. <i>Alginate production protects Pseudomonas aeruginosa from host immune clearance in a mouse model of acute lung infection</i>
7	Florida Georgia-Stokes League in Alliance for Minority Participation Exposition, Orlando, FL. February <ul style="list-style-type: none"> ◆ M. R. Iriarte, and K. Mathee. <i>Bacterial communication in expression of the virulent genes of the pathogenic Pseudomonas aeruginosa</i> Ms. Iriarte was placed second in Life-Science Presentation Category.
2000	
6	13th International Cystic Fibrosis Conference. Stockholm, Sweden. June 4 th – 8 th . <ul style="list-style-type: none"> ◆ H. Wu, Z. Song, M. Givskov, K. Mathee, J. Rygaard, and N. Høiby. <i>Quorum sensing systems on chronic lung infection of Pseudomonas aeruginosa in rat model</i>. Abstract #310.
1997	
5	6th International Congress on Pseudomonas: Molecular Biology and Biotechnology. Madrid, Spain. September 4 th – 8 th .

	<ul style="list-style-type: none"> ◆ D. E. Ohman, K. Mathee, S. Ma, and C.J. McPherson. <i>Post-translational control of an alternative sigma factor in the expression of the alginate regulon in Pseudomonas aeruginosa</i>. Abstract #IV. <p>Invited talk.</p>
4	<p>The Annual meeting of the Cold Spring Harbor Laboratories on Molecular Genetics of Bacteria and Phages. Madison, Wisconsin. August 5th – 10th.</p> <ul style="list-style-type: none"> ◆ D.E. Ohman, K. Mathee, and C.J. McPherson. <i>Post-translational control of an alternative sigma factor in the expression of the alginate regulon in Pseudomonas aeruginosa</i>. Abstract #56.
1995	
3	<p>5th International Symposium on Pseudomonas: Molecular Biology and Biotechnology. Tsukuba, Japan. August 21st – 25th.</p> <ul style="list-style-type: none"> ◆ D.E. Ohman, K. Mathee, C. McPherson, S. Ma, and M.J. Franklin. <i>Regulation of the alginate (algD) operon in Pseudomonas aeruginosa</i> <p>Invited talk.</p>
2	<p>95th Annual Meeting of the American Society for Microbiology. Washington, D.C. May 21st – 25th.</p> <ul style="list-style-type: none"> ◆ D.E. Ohman, C.J. McPherson, and K. Mathee. <i>Transcriptional analysis of algT encoding a putative alternate sigma factor in Pseudomonas aeruginosa involved in alginate gene regulation</i>. Abstract #B77. <p>Invited talk.</p>
1988	
1	<p>The EMBO Workshop on Gene Organization and Expression in Bacteriophages, Salamanca, Spain, p11.</p> <ul style="list-style-type: none"> ◆ M.M. Howe, W. Margolin, S.F. Stoddard, K. Mathee, and G. Rao. <i>Regulation of middle and late transcription of bacteriophage Mu</i>. <p>Invited talk.</p>

Poster Presentations at Conferences by Students/Fellows

No	Name, Conference, Title
2019	
137 – 139	<p>Sexually Transmitted Infections, 2019.</p> <ul style="list-style-type: none"> ◆ P. Madhivanan, M. Coudray, D. Ruiz-Perez, B. Colbert, K. Krupp, H. Kumari, G. Narasimhan, and K. Mathee. <u>Co-occurrence of bacterial vaginosis and Trichomonas vaginalis among young african american women</u> ◆ M. Coudray, D. Ruiz-Perez, B. Colbert, K. Krupp, H. Kumari, G. Narasimhan, K. Mathee, and P. Madhivanan. <u>Effect of metronidazole treatment on recurrent and persistent bacterial vaginosis: a pilot study</u> ◆ P. Madhivanan, M. Coudray, D. Ruiz-Perez, B. Colbert, K. Krupp, H. Kumari, K. Mathee, and G. Narasimhan. <u>Bacterial vaginosis and high-risk human papillomavirus coinfection among african american women in the United States</u>.
136	<p>17th Bienneial International Pseudomonas Conference, July 22 - 26th, Kualal Lumpur, Malaysia</p> <ul style="list-style-type: none"> ◆ S. Shaikh*, R. Obando*, M. Jani, V. Aguiar-Pulido, H. Kumari, G. Narasimhan, R. Azad, George Szatmari, and K. Mathee. Whole-genome sequence and assembly of multi-drug resistant <i>Pseudomonas aeruginosa</i> isolate.

135	27 th Conference on Intelligent Systems for Molecular Biology and the 18 th European Conference on Computational Biology (ISMB ECCB, 2019), Basel, Switzerland, July 21-25 th <ul style="list-style-type: none"> ◆ V. Stebliankin, M. Valdes, K. Mathee, and G. Narasimhan (2019), Adapting Flint for Calculating Bacterial Replication Rates in Microbiomes, <i>F1000Research</i> 2019, 8(ISCB Comm J):1476 (poster) [doi: 10.7490/f1000research.1117382.1]
2018	
133 – 134	Annual Meeting of the American Society for Microbiology – ASM Microbe 2018 in Atlanta, GA. June 7 th – 11 th . <ul style="list-style-type: none"> ◆ S. Dhar, H. Kumari, and K Mathee. Elucidating the role of PA1085 in <i>Pseudomonas aeruginosa</i>. ◆ B. Condon, K. Mathee, M. Agudelo, and T. Weiler. Bug Based Learning (BBL) – A Novel Tool to Teach Medical Microbiology by Promoting Active Learning.
132	Microbiology Society Annual Conference, Birmingham, UK. 10 th – 13 th April <ul style="list-style-type: none"> ◆ B. Colbert, M. Coudray, D. Ruiz-Perez, H. Kumari, P. Madhivanan, G. Narasimhan, and K Mathee. To treat or not to treat: Bacterial vaginosis and its relationship with human papillomavirus.
2017	
130 – 131	15 th Asian Conference on Transcription, Penang, Malaysia. July 31 st – August 4 th . <ul style="list-style-type: none"> ◆ H. Rodriguez, S. Shaikh, M. Jani, R. Azad, S. Murugapiran, G. Narasimhan and K. Mathee. Transcriptional regulatory network of a multidrug resistant isolate of <i>Pseudomonas aeruginosa</i>. Abstract No: ACTXV-2017-64. ◆ S. Pandey, C. Delgado, L. Florez, H. Kumari, K. Martins and K. Mathee. Outer membrane protein LptD (PA0595) plays a role in the regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i>. Abstract No: ACTXV-2017-63. <p>Haroldo received an ACT Travel Award</p>
127 – 129	Annual Meeting of the American Society for Microbiology – ASM Microbe 2017 in New Orleans, LA. June 16 th – 20 th . <ul style="list-style-type: none"> ◆ S. Shaikh*, R. Obando*, M. Jani, V. Aguiar-Pulido, H. Kumari, G. Narasimhan, R. Azad, and K. Mathee. Whole-genome sequence and assembly of multi-drug resistant <i>Pseudomonas aeruginosa</i> isolate. ◆ A. Pinon, H. Kumari, F. Nhung, C. Bernard, S. Dhar, K. Morales, and K. Mathee. Secondary screening of compounds for <i>Pseudomonas aeruginosa</i> AmpR-specific inhibitors. ◆ M. Lorenzo, G. Tatke, K. Martins, H. Kumari, and K. Mathee. Tricarboxylic acid (TCA) cycle intermediate C6-tricarboxylate utilization by <i>Pseudomonas aeruginosa</i> requires RpoN-dependent transporter. <p>Sameer received ASM Travel Award</p>
126	31 st Annual National Conference on Undergraduate Research (NCUR), University of Memphis - April 6-8 th <ul style="list-style-type: none"> ◆ S. Shaikh*, R. Obando*, M. Jani, V. Aguiar-Pulido, H. Kumari, G. Narasimhan, R. Azad, and K. Mathee *contributed equally. The whole genome assembly of multi-resistant <i>Pseudomonas aeruginosa</i> isolate CDN118.
124 – 125	Biomedical and Comparative Immunology Symposium. Immunodiversity: Cellular and Molecular Interactions. Miami, FL. March 31. <ul style="list-style-type: none"> ◆ M. Lorenzo, G. Tatke, K. Martins, H. Kumari, and K. Mathee. Tricarboxylic acid (TCA) cycle intermediate C6-tricarboxylate utilization by <i>Pseudomonas aeruginosa</i> requires RpoN-dependent transporter. ◆ K. Martins, K. Morales and K. Mathee. Identification of the substrate of AlgO in <i>Pseudomonas aeruginosa</i>. <p>Maria Victoria (Undergraduate category) and Kyle (Graduate category) received the 2nd price for Poster Award presented by the Microbiology Society (UK).</p>

2016	
123	<p>F1000Research 2016, 5(ISCB Comm J):1663 (poster) (DOI: 10.7490/f1000research.1112564.1).</p> <ul style="list-style-type: none"> ◆ M. Narasimhan, Vietri, A. Mehta, Rajabli, V. Aguiar-Pulido, and K. Mathee, and G. Narasimhan Predicting Symptom Severity and Contagiousness of Respiratory Viral Infections <p>Medhini Narasimhan won the Best Poster Award ISMB-SCS.</p>
122	<p>Advanced Research and Creativity in Honors (ARCH) program</p> <ul style="list-style-type: none"> ◆ S. Shaikh*, R. Obando*, M. Jani, V. Aguiar-Pulido, H. Kumari, G. Narasimhan, R. Azad, K. Mathee *contributed equally. Whole genome assembly of multi-resistant <i>Pseudomonas aeruginosa</i> isolate CDN118.
121	<p>Annual Biomedical Research Conference for Minority Students (ABRCMS): Preparing scientists for the 21st Century. American Society for Microbiology. Tampa, FL. Nov 13th – 16th.</p> <ul style="list-style-type: none"> ◆ S. Shaikh*, R. Obando*, M. Jani, V. Aguiar-Pulido, H. Kumari, G. Narasimhan, R. Azad, and K. Mathee *contributed equally. Whole genome assembly of multi-resistant <i>Pseudomonas aeruginosa</i> isolate CDN118.
117 - 120	<p>Annual Meeting of the American Society for Microbiology – ASM Microbe 2016 in Boston, MA. June 16th – 20th.</p> <ul style="list-style-type: none"> ◆ S. Pandey, C. Delgado, L. Florez, H. Kumari, and K. Mathee. Outer membrane protein LptD/OstA has a novel role in regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i>. Abstract #LB-034 ◆ S. Dhar, M. Lee, D. Heseck, H. Kumari, S. Mobashery, and K. Mathee. AmpR Effectors in <i>Pseudomonas aeruginosa</i> regulating β-lactam resistance. Abstract #LB-019 ◆ H. Kumari, M. Giulianotti, S. Dhar, C. Bernard, K. Morales, and K. Mathee. Small molecule library screening for <i>Pseudomonas aeruginosa</i> AmpR inhibitors ◆ G.D. Tatke, S. Mustafi, M. A. Barbieri, and K. Mathee. α-Ketoglutarate-mediated regulation of <i>Pseudomonas aeruginosa</i> pathogenesis by MifS-MifR two component system. Abstract #LB-121
116	<p>30th Annual <i>National Conference on Undergraduate Research (NCUR)</i>, University of North Carolina, Asheville, NC. April 7th – 9th.</p> <ul style="list-style-type: none"> ◆ S. Shaikh, R. Obando, M. Jani, V. Aguiar-Pulido, H. Kumari, G. Narasimhan, R. Azad, and K. Mathee. Whole Genome Sequencing of a Pandrug Resistant <i>Pseudomonas aeruginosa</i> Isolate Reveals the Presence of an Extensive Array of Resistance Genes in Pathogenic Islands
2015	
115	<p>2015 International <i>Pseudomonas</i> Conference, Washinton, DC. September 8th – 12th.</p> <ul style="list-style-type: none"> ◆ R. Obando, S. Shaikh, M. Jani, V. Aguiar-Pulido, H. Kumari, R. Azad, G. Narasimhan, and K. Mathee. Whole genome assembly of multi-resistant <i>Pseudomonas aeruginosa</i> isolate.
110 - 114	<p>2015 Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, Cold Spring Harbor, NY. September 8th – 12th</p> <ul style="list-style-type: none"> ◆ G.D. Tatke, S. Mustafi, M. A. Barbieri, and K. Mathee. α-Ketoglutarate-dependent regulation of <i>Pseudomonas aeruginosa</i> pathogenesis by MifS-MifR two component system. Abstract #168 ◆ K. Martins, G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. α-Ketoglutarate differentially regulates the expression of C₅-dicarboxylate transporters in <i>Pseudomonas aeruginosa</i>. Abstract #100 ◆ S. Dhar, M. Lee, D. Heseck, H. Kumari, L. Schenepr, S. Mobashery, and K. Mathee. Identification of AmpR effectors in regulating <i>Pseudomonas aeruginosa</i> β-lactam resistance. Abstract #41 ◆ S. Pandey, C. Delgado, L. Florez, and K. Mathee. Outer membrane protein LptD/OstA has a novel role in regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i>. Abstract #137

	<ul style="list-style-type: none"> ◆ D. Zincke, D. Balasubramanian, and K. Mathee. Characterization of PoxB, a carbapenem-hydrolysing enzyme in <i>Pseudomonas aeruginosa</i>. Abstract #101
2014	
109	<p>MARC U*STAR & MBRS RISE Student Biomedical Research Mini-Symposium. October 9th – 10th.</p> <ul style="list-style-type: none"> ◆ R. Obando, S. Shaikh, M. Jani, V. Aguiar-Pulido, H. Kumari, R. Azad, G. Narasimhan, and K. Mathee. Whole genome assembly of multi-resistant <i>Pseudomonas aeruginosa</i> isolate.
108	<p>Annual International Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Conference, Washington DC, September 5th - 9th.</p> <ul style="list-style-type: none"> ◆ A. Rumphs, P. Madhivanan, and K. Mathee. Surveillance of antimicrobial resistance among <i>Neisseria gonorrhoeae</i> isolates from central and South America from 2000-2009.
107	<p>Annual Conference of Society for Microbiology, Liverpool UK, April 14th – 17th.</p> <ul style="list-style-type: none"> ◆ G.D. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. Characterizing the role of MifSR two-component system proteins in regulating <i>Pseudomonas aeruginosa</i> metabolism
2012	
106	<p>112th General Meeting of the American Society for Microbiology, San Francisco, USA. June 16th to 19th.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian, S.K. Murugapiran, E. Silva-Herzog, L. Schneper, G. Narasimhan, and K. Mathee. Transcriptional regulatory network in <i>Pseudomonas aeruginosa</i>.
2011	
105	<p>13th International Congress on <i>Pseudomonas</i>: Molecular Biology and Biotechnology. Sydney, Australia. September 4th – 8th.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian, K.F. Kong, A. Aguila, M. Merighi, G. Narasimhan, L. Schneper, S. Lory, and K. Mathee. Induction and regulation of β-lactam resistance in <i>Pseudomonas aeruginosa</i>.
104	<p>111th Annual Meeting of the American Society for Microbiology in New Orleans, LA. May 21th – 24th.</p> <ul style="list-style-type: none"> ◆ D. Zincke, D. Balasubramanian, L. Schneper, and K. Mathee. Investigating the Contribution of the <i>poxAB</i> Operon to β-lactam Resistance in <i>Pseudomonas aeruginosa</i>.
2010	
103	<p>Gorden Conference: Microbial Stress Response, South Hadley, MA, July 18th – 23rd.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian, S. Murugapiran, L. Schneper, S. Lory, and K. Mathee. <i>Pseudomonas aeruginosa</i> AmpR regulates multiple virulence mechanisms.
102	<p>Keystone Symposia Global Health Series – Antibiotics and Resistance: Challenges and Solutions, Santa Fe, NM, February, 14th -19th.</p> <ul style="list-style-type: none"> ◆ K. Mathee, K.F. Kong, A. Aguila, G. Narasimhan, and L. Schneper. A new model for regulation of beta-lactamase induction in <i>Pseudomonas aeruginosa</i>.
2009	
101	<p>American Thoracic Society International Conference</p> <ul style="list-style-type: none"> ◆ S. Cardenas, M. Scuri, D. Piktel, L. Samsell, C. Walton, and K Mathee, M. Doud, and G. Piedimonte. Selective blockade of neurotrophin pathways inhibits neurogenic inflammation following infection with <i>Pseudomonas aeruginosa</i> (PA) in weanling rats. <i>American Journal of Respiratory and Critical Care Medicine</i> 179.
93 - 100	<p>2009 Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, Cold Spring Harbor, NY. September 8th – 12th.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian, K. Turner, M. Merighi, S. Dove, S. Lory, L. Schneper, and K. Mathee. <i>Pseudomonas aeruginosa</i> AmpR, a novel virulence regulator. Abstract #20.

	<ul style="list-style-type: none"> ◆ O. Caille, M. Merighi, D. Balasubramanian, L. Schneper, S. Lory, and K. Mathee. <i>Pseudomonas aeruginosa</i> AmpR, a LysR-type regulator is involved in the direct regulation OF <i>ampC</i> encoding inducible β-lactamase. Abstract #33. ◆ C. Ceballos, L. Florez, R.J. Smiddy, R. T. Sautter, M. Stylianou, L. Schneper, and K. Mathee. Mapping mutations responsible for nonmucoid reversion phenotype of mucoid <i>Pseudomonas aeruginosa</i>. Abstract #36. ◆ M.S. Doud, L. Schneper, P.M. Gillevet, M. Light, and K. Mathee. Community sequencing elucidates fungal community in cystic fibrosis sputum. Abstract #48. ◆ N. Maricic, S.K. Murugapiran, A. Malladi, A. Sobczak, L. Schneper, S. Wnuk, J. Makemson, K. Mathee. Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> and <i>Vibrio harveyi</i> using synthesized 4-Aza S-ribosylhomocysteine analogues. Abstract #115. ◆ S.K. Murugapiran, D. Balasubramanian, M. Merighi, L. Schneper, S. Lory, and K. Mathee. Effects of β-lactamase induction on the <i>Pseudomonas aeruginosa</i> proteome. Abstract #127. ◆ C. Villaseca, H. Priestap, B. Ramalingam, N. Maricic, J. M. Quirke, K. Vandenberg, L. Schneper, and K. Mathee. <i>Panax ginseng</i> extracts contain anti-quorum and anti-bacterial compounds. Abstract #160. ◆ D. Zincke, D. Balasubramanian, L. Schneper, and K. Mathee. Role of <i>Pseudomonas aeruginosa</i> <i>poxAB</i> operon in β-lactam resistance. Abstract #179. <p>Camila received CSH participation award.</p>
91 - 92	<p>108th Annual Meeting of the American Society for Microbiology in Philadelphia, PA. May 17th – 21st.</p> <ul style="list-style-type: none"> ◆ M. Doud, R. Grimes-Zempegno, E. Molina, N. Miller, D. Balachandran, L. Schneper, R. Poppiti, and K. Mathee. Liver and brain abscess due to infection by <i>magA</i>-negative <i>Klebsiella pneumoniae</i>. Abstract #V016. ◆ J. C. Makemson, L. Schneper, N. Maricic, and K. Mathee. Stimulation of growth and inhibition of quorum sensing by ginseng of <i>Vibrio harveyi</i>. Abstract #I-027.
90	<p>25th Southern Biomedical Engineering Conference 2009, Miami, Florida, May 15th – 17th.</p> <ul style="list-style-type: none"> ◆ G. Gonzalez, M. Doud, and K. Mathee, G. Narasimhan. Computer-assisted bacterial identification using 16S rRNA sequence data.
2008	
89	<p>Annual Biomedical Research Conference for Minority Students (ABRCMS): Preparing scientists for the 21st Century. American Society for Microbiology. New Orleans, LA. November 13th – 16th.</p> <ul style="list-style-type: none"> ◆ C. Ceballos, L. Schneper, and K. Mathee. Mapping a mutation responsible for nonmucoid reversion phenotype of mucoid <i>Pseudomonas aeruginosa</i>.
88	<p>3rd Joint Cold Spring Harbor Laboratory and Wellcome Trust Conference on Genomic Perspectives to Host-Pathogen Interactions. Hinxton, United Kingdom September 3rd – 6th.</p> <ul style="list-style-type: none"> ◆ K. Mathee, C. Valdes, L. Schneper, S. Lory, and G. Narasimhan. Paralog analysis of <i>Pseudomonas aeruginosa</i>. Abstract #33.
87	<p>7th Joint Meeting of AFERP, ASP, GA, PSE & GIF. Natural products with pharmaceutical, Nutraceutical, Cosmetic, and Agrochemical Interest. Athens, Greece, August 3rd – 8th.</p> <ul style="list-style-type: none"> ◆ A. Adonizio, J. Dawlaty, F. Ausubel, J. Clardy, and K. Mathee. Ellagitannins from <i>Cornocarpus erectus</i> exhibits anti-quorum sensing activity. Abstract #PB28
81 - 86	<p>107th Annual Meeting of the American Society for Microbiology in Boston, MA. June 1st – 5th.</p> <ul style="list-style-type: none"> ◆ D.C. Nkwonta, V. Pannu, K. Paisely, L. Schneper, B.A. Adeniyi, and K. Mathee. Molecular epidemiology of multidrug resistant <i>Pseudomonas aeruginosa</i> in Southwest Nigerian Hospitals. Abstract #L-009 ◆ D. Balasubramanian, L. Schneper, O. Caille, M. Merighi, A. Brencic, R. Smith, E. Zeng, S. Lory, G. Narasimhan, and K. Mathee. Elucidating the <i>Pseudomonas aeruginosa</i> AmpR regulon. Abstract #A045 ◆ J. C. Makemson, B. Ramalingam, and K. Mathee. Ginseng affects induction of

	<p>luminescence in <i>Vibrio harveyi</i> Abstract #I-080</p> <ul style="list-style-type: none"> ◆ D. Zincke, D. Balasubramanian, K-F. Kong, L. Schneper, and K. Mathee. Characterization of the <i>poxAB</i> operon in <i>Pseudomonas aeruginosa</i>. Abstract #A-083 ◆ B. Ramalingam, N. Maricic, J.M.E. Quirke, J. Makemsom, N. Rodriguez, L. Schneper, and K. Mathee. Investigating the Role of ginsenosides on antibacterial and anti-quorum sensing against <i>Chromobacterium violaceum</i>. Abstract #A-066 ◆ M.S. Doud, N. Baker, L. Schneper, K. Mathee. Metagenomic analysis of the cystic fibrosis lung using amplicon length heterogeneity polymerase chain reaction. Abstract #C-341 <p>Diansy received an ASM travel award.</p>
78 - 80	<p>10th Annual Biology Research Symposium, February 16th, Kampong Botanical Gardens, Miami, FL</p> <ul style="list-style-type: none"> ◆ D.C. Nkwonta, V. Pannu, K. Paisely, L. Schneper, B.A. Adeniyi, and K. Mathee. Molecular epidemiology of multidrug resistant <i>Pseudomonas aeruginosa</i> in southwest Nigerian Hospitals. ◆ D. Zincke, D. Balasubramanian, L. Schneper, and K. Mathee. Characterization of the <i>poxAB</i> operon in <i>Pseudomonas aeruginosa</i>. ◆ N. Maricic, B. Ramalingam, J.M.E. Quirke, N. Rodriguez, L. Schneper, and K. Mathee. Investigating the role of ginsenosides on antibacterial and anti-quorum sensing against <i>Chromobacterium violaceum</i>. <p>Natalie won best poster presentation award.</p>
76 - 77	<p>10th Asian Conference on Transcription (ACT-X), January 13th – 16th, Bangalore, India.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian, K.F. Kong, R. Smith, G. Narasimhan, S. Lory, and K. Mathee. Transcriptome analysis of <i>Pseudomonas aeruginosa</i> AmpR regulon. ◆ M. Doud, E. Zeng, D. Balasubramanian, K. Mathee, and G. Narasimhan. Use of a new algorithm Iterative Enhancement of Motifs (IEM) to predict AmpR binding site.
2007	
75	<p>2007 Meeting of the Cold Spring Harbor Laboratory on Genome Informatics, November 1st – 5th, Cold Spring Harbor, NY.</p> <ul style="list-style-type: none"> ◆ P. Godfrey, K. Mathee, G. Narasimhan, C. Valdes, E. Zeng, R. Olavarietta, M. Doud, C. Yandava, M. Koehrsen, R. Engels, P. Montgomery, J. White, C. Kodira, S. Lory, B. Birren, and J. Galagan. Comparative Genomics of <i>Pseudomonas aeruginosa</i>
73 - 74	<p>2007 Annual Meeting of the Florida Branch American Society for Microbiology, October 6th – 8th, St. Peterburg, FL.</p> <ul style="list-style-type: none"> ◆ D. Balasubramanian, K.F. Kong, A. Aguila, G. Narasimhan, J. Park, T. Uehara, M. Merighi, S. Lory, and K. Mathee. Toward the Understanding of the mechanism of β-lactamase induction in <i>Pseudomonas aeruginosa</i>. ◆ N. Maricic, B. Ramalingam, J.M. Quirke, and K. Mathee. Standardization of ginsenosides in <i>Panax ginseng</i> C.A. Meyer <p>Deepak and Natalie won best poster presentation awards in Graduate and Undergraduates Students Category, respectively.</p>
72	<p>5th Annual RECOMB Satellite Workshop on Comparative Genomics (RECOMB-CG'07). September 16th – 18th, La Jolla, California, U.S.A.</p> <ul style="list-style-type: none"> ◆ G. Narasimhan, K. Mathee, C. Valdes, E. Zeng, R. Olavarrieta, M. Doud, P. Godfrey, M. Koershen, A. Rokas, C. Yandava, R. Engels, C. Kodira, B. Birren, J. Galagan, and S. Lory. Comparative genomics of pathogen <i>Pseudomonas aeruginosa</i>.
71	<p>2007 Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, September 15th – 19th, Cold Spring Harbor, NY.</p> <ul style="list-style-type: none"> ◆ K.F. Kong, A. Aguila, G. Narasimhan, J. Park, T. Uehara, M. Merighi, D. Balasubramanian, S. Lory, and K. Mathee. Toward the Understanding of the mechanism of β-lactamase induction in <i>Pseudomonas aeruginosa</i>. Abstract #88
2006	

62 - 70	<p>106th Annual Meeting of the American Society for Microbiology in Orlando, FL. May 21st – 25th.</p> <ul style="list-style-type: none"> ◆ R. Olavarrieta, and K. Mathee. The role of AmpR and alginate production in <i>Pseudomonas aeruginosa</i> biofilm antibiotic resistance. Abstract # A-005/006. ◆ T. M. Crandall, D. K. Mills, C. Yang, G. Narasimhan, J. Entry, J. Perr, and K. Mathee. Discrimination of soils by amplicon length heterogeneity (ALH)-PCR generated bacterial community profiles; a novel application for the forensic examination of soil. Abstract # N-017/383. ◆ K. R. Anson, G. Yaari, G. Tachiev, and K. Mathee. Developing an efficient mold remediation protocol using hydrogen peroxide and ferrous iron. Abstract # Q-413/528. ◆ L. Moreno, D. Mills, J. Entry, R. Sautter, and K. Mathee. Molecular and chemical characterization of three Miami-Dade soil types for forensic comparison. Abstract #: N-232/541. ◆ R. T. Sautter, and K. Mathee. AlgO, a positive regulator of alginate production is a putative periplasmic protease with high homology to <i>Escherichia coli</i> Prc. Abstract #: B-243/054. ◆ M. Doud, D. Mills, M. Light, J. Martinez, and K. Mathee. Molecular-based diagnostic of cystic fibrosis lung infection using amplicon length heterogeneity - polymerase chain reaction (ALH-PCR). Abstract #: C-250/059. ◆ A. L. Adonizio, K-F. Kong, S. Leal, K. Downum, and K. Mathee. The ability of the medicinal plant <i>Conocarpus erectus</i> (Combretaceae) to inhibit bacterial virulence through interruption of cell-cell communication. Abstract #: A-063/021 <p>Allison received an ASM travel award.</p> <ul style="list-style-type: none"> ◆ S. M. Leal, Jr., K. Kong, S. Jayawardena, R. T. Sautter, and K. Mathee. A Co-Regulatory Network of antibiotic resistance, alginate production, and LasA protease activity in <i>Pseudomonas aeruginosa</i>. Abstract #: H-061/212. ◆ A. Gurkar, D. Balasubramanian, S. Indulkar, J. Manur, and K. Mathee. Potential Application of phage therapy for prophylactic treatment against <i>Pseudomonas aeruginosa</i> biofilm Infections. Abstract #: D-067/117
61	<p>ICNDST & ADC 2006 Joint Conference NC. Research Triangle Park, North Carolina. May 15th – 18th.</p> <ul style="list-style-type: none"> ◆ V.P. Verma, H. Vedala, M. Doud, S. Roy, K. Mathee, and W. Choi. Carbon nanotube-enhanced electrochemical biosensor for cholesterol measurement in blood.
60	<p>8th Biomedical and Comparative Immunology Symposium. Immunodiversity: Cellular and Molecular Interactions. Miami, FL. March 3th – 4th.</p> <ul style="list-style-type: none"> ◆ A. Adonizio, and K. Mathee. Anti-quorum sensing agents from South Florida medicinal plants and their potential to attenuate <i>Pseudomonas aeruginosa</i> pathogenicity. <p>Allison received the second prize for the Presentation Award</p>
2005	
59	<p>9th Asian Conference on Transcription (ACT-IX), December 12th – 15th, Zhunan Town, Taiwan.</p> <ul style="list-style-type: none"> ◆ K. Mathee, S. R. Jayawardena, S. M. Leal, R. T. Sautter, and K-F. Kong. Complex cross-talk between the global regulator AmpR and extracytoplasmic function sigma factor AlgT/U in regulating antibiotic resistance, alginate production and quorum sensing.
57 - 58	<p>Forensic Science: The nexus of science and the law. Sackler Colloquium, National Academy of Sciences, Washington, D.C. November 16th to 18th.</p> <ul style="list-style-type: none"> ◆ L. Moreno, D. Mills, R. Sautter, and K. Mathee. Characterization of Miami-Dade Soil types for forensic comparison. ◆ M. Doud, D. Mills, and K. Mathee. The role of Amplicon Length Heterogeneity – Polymerase Chain Reaction in microbial community profiling and presumptive testing of bioagents.
56	<p>The ASA-CSSA-SSSA International Annual Meetings, Salt Lake City, UT. November 6th – 10th.</p> <ul style="list-style-type: none"> ◆ D. Mills, K. Mathee, K. Jayachandran, and J. Entry. Molecular based approaches to soil microbiology assessing microbial community diversity using amplicon length

	heterogeneity PCR.
55	The 2005 North American Cystic Fibrosis Conference, Baltimore, Maryland. October 20 th - 23 rd <ul style="list-style-type: none"> ◆ S. Cardenas, A. Auais, M. Doud, K. Mathee, and G. Piedimonte. Neurogenic inflammation during acute <i>Pseudomonas aeruginosa</i> infection in weanling Fischer-344 rats
53 - 54	4 th Biannual Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, September 14 th – 18 th , Cold Spring Harbor, NY. <ul style="list-style-type: none"> ◆ A. Adonizio, K.F. Kong, and K. Mathee. Anti-quorum sensing activity of South Florida medicinal plants. Abstract #13. ◆ K.F. Kong, S.R. Jayawardena, R.T. Sautter, and K. Mathee. Coregulation of antibiotic resistance, alginate production, and quorum sensing in <i>P. aeruginosa</i>. Abstract #97. <p>Both Ms. Adonizio and Mr. Kong received CSH participation awards. In addition to that Mr. Kong received a travel supplement.</p>
52	FIU 2005 Summer Research Institute Symposium. Ronald E. McNair Postbaccalaureate Achievement Program. July. <ul style="list-style-type: none"> ◆ K. Anson, G. Tachiev, K. Mathee. Development of mold remediation process using hydrogen peroxide catalyzed by Fe(II) iron. <p>Ms. Anson won the first prize for the Poster Presentation and third prize for the best Research Report.</p>
50 - 51	81 st Annual American Chemical Society Meeting – FAME 2005. Orlando, FL. May 6 th to 8 th . <ul style="list-style-type: none"> ◆ M. Doud, S. Miller, D. Mills, and K. Mathee. Profiling of microbial communities using amplicon length heterogeneity-polymerase chain reaction. ◆ T. M. Crandall, D. Mills, J.A. Entry, J.M. Perr, R.T. Sautter, and K. Mathee. Discrimination of soils by amplicon length heterogeneity-polymerase (ALH)-PCR bacterial community profiles: a novel application for the forensic examination of soil.
49	2005 Graduate Student Association Annual Scholarly Forum, March. <ul style="list-style-type: none"> ◆ L. Moreno, D. Mill, J. Entry, R.T. Sautter and K. Mathee. Molecular and chemical characterization of three Miami-Dade soil types for forensic comparison. <p>Ms. Moreno won the second prize for poster presentation in the Life Sciences Category.</p>
2004	
48	ASM Conference on the New Phage Biology. Key Biscayne, FL. August 1 st – 5 th . <ul style="list-style-type: none"> ◆ Gurkar, D. Balasubramanian, S. Indulkar, J. Manur, and K. Mathee. Potential application of phage therapy against <i>Pseudomonas aeruginosa</i> biofilm infections.
47	27 th European Cystic Fibrosis Conference. Birmingham, UK. June 12 th – 17 th . <ul style="list-style-type: none"> ◆ K-F. Kong, S. Jayawardena, A. del Puerto, and K. Mathee. Characterization of <i>poxA</i>, a chromosomal-encoded <i>Pseudomonas aeruginosa</i> oxacillinase. Abstract #155. <i>Journal of Cystic Fibrosis</i> 3: S43
46	104 th Annual Meeting of the American Society for Microbiology in New Orleans, LA. May 18 th – 22 nd . <ul style="list-style-type: none"> ◆ D. Mills, S. King, S. Miller, and K. Mathee. Nonhuman DNA: application of community analysis of soil for crime scene investigation. Abstract #Q-522.
44 - 45	Forensic Sciences Symposium 2004, Ft. Lauderdale, FL. February 27 th – 28 th . <ul style="list-style-type: none"> ◆ D. Mills, S. King, S. Miller, and K. Mathee. Nonhuman DNA: Application of community analysis for crime scene investigations. ◆ S. Miller, M. Doud, D. Mills, and K. Mathee. Nonhuman DNA: Application of microbial community analysis of samples mixed with human DNA for crime scene investigation.
2003	

43	<p>14th National Biotechnology Seminar: <i>DNA: 50 Years and Beyond</i>. Penang, Malaysia. University Science Malaysia and National Biotechnology Directorate, Ministry of Science, Technology and the Environment, Malaysia. December 11th – 13th.</p> <ul style="list-style-type: none"> ◆ K.G. Chan, Y.L. Hiew, M.E. Lim, K. Mathee, and C.L. Koh. Isolation of soil and fresh water bacteria exhibiting quorum sensing activity and characterization of their <i>N</i>-acylhomoserine lactone molecules. p144.
42	<p>9th International Congress on <i>Pseudomonas</i>. Quebec City, Canada. September 6th – 10th.</p> <ul style="list-style-type: none"> ◆ S. Jayawardena, K-F. Kong, S. Indulkar, A. del Puerto, and K. Mathee. Effect of <i>ampR</i> in beta-lactamase and virulent factor expressions in <i>Pseudomonas aeruginosa</i>. Abstract #65.
41	<p>26th Congress European Cystic Fibrosis Society in Belfast, Northern Ireland. June 4th – 7th.</p> <ul style="list-style-type: none"> ◆ Z. Song, H. Wu, K.F. Kong, N. Høiby, O. Ciofu, and K. Mathee. Ginseng inhibits quorum sensing in <i>Pseudomonas aeruginosa</i>. Abstract #153.
37-40	<p>103rd Annual Meeting of the American Society for Microbiology in Washington, D.C. May 18th – 22nd.</p> <ul style="list-style-type: none"> ◆ K-F. Kong, S. Jayawardena, and K. Mathee. Characterization of <i>Pseudomonas aeruginosa ampG</i> involved in b-lactamase expression. Abstract #A-064. ◆ S.Z. Miller, D. Mills, C. Koch, T. Pressler, and K. Mathee. Amplicon length heterogeneity (ALH) profile analysis of cystic fibrosis sputum reveals diverse microbial community. Abstract #C-210. <p>Mr. Kong received ASM student travel award.</p> <ul style="list-style-type: none"> ◆ Y. Wang, C. Yang, D. Mills, K. Mathee, P. Gillevet, J. Entry, K. Jayachandran, and G. Narasimhan. Ecoinformatics tools: Unsupervised clustering and classification of microbial communities using ALH profile data from 16S rRNA. Abstract #R-042. ◆ C. Yang, Y. Wang, D. Mills, K. Mathee, P. Gillevet, J. Entry, K. Jayachandran, and G. Narasimhan. An ecoinformatics tool for microbial diversity studies: Supervised classification of ALH profiles of 16S rRNA. Abstract #R-043. <p>Mr. Yang received ASM student travel award.</p>
2002	
35-36	<p>Annual Biomedical Research Conference for Minority Students (ABRCMS): Preparing scientists for the 21st Century. American Society for Microbiology. New Orleans, LA. November 13th – 16th.</p> <ul style="list-style-type: none"> ◆ D. Ramos, K. Mathee, C. H. Bigger, A. Heydorn, and C-L. Koh. Mutations in <i>Pseudomonas aeruginosa</i> alternative sigma factor, AlgT results in the loss of alginate production. ◆ A. Aguila, K. Mathee, C. H. Bigger, and K-F. Kong. Topology analysis of <i>Pseudomonas aeruginosa</i> AmpG, a putative permease involved in b-lactam antibiotic resistance. Abstract #777.
34	<p>7th Asian Conference on Transcription (ACT-VII), Kuala Lumpur, Malaysia. July 23rd – 27th.</p> <ul style="list-style-type: none"> ◆ D. Ramos, A. Heydorn, C. Koh, and K. Mathee. Loss of alginate production in mucoid <i>Pseudomonas aeruginosa</i> occurs via deregulation of the alternative sigma factor AlgT. Abstract #7034. <p>Ms. Ramos received numerous travel awards from various sources.</p>
31-33	<p>102nd Annual Meeting of the American Society for Microbiology in Salt Lake City, UT. May 19th – 23rd.</p> <ul style="list-style-type: none"> ◆ Z. Song, H. Wu, A. Kharazmi, N. Høiby, O. Ciofu, J. Rygaard, and K. Mathee. Alginate production protects <i>Pseudomonas aeruginosa</i> from host immune clearance in a mouse model of acute lung infection. Abstract #D-61.

	<ul style="list-style-type: none"> ◆ R.K. Ruttala, D.K. Mills, K. Mathee, and K. Jayachandran. Molecular and biochemical characterization of microbial communities in The Everglades tree islands soils. Abstract #N-24. ◆ J.A. Entry, D.K. Mills, K. Mathee, K. Jayachandran, J.J. Fuhrmann, R. Ruttala, and R.E. Sojka. Influence of irrigated agriculture on soil microbial diversity. Abstract # N-19.
2001	
30	<p>The ASM Conference on Biodegradation, Biotransformation, and Biocatalysis (B3). San Juan, Puerto Rico. October 2nd – 6th.</p> <ul style="list-style-type: none"> ◆ R.K. Ruttala, D.K. Mills, P.M. Gillevet, K.G. Shetty, K. Jaychandran, and K. Mathee. Monitoring microbial communities in marsh sediments by amplicon length heterogeneity (ALH) and ALH-temperature gradient capillary electrophoresis (ALH-TGCE) fingerprinting. Abstract #115.
29	<p>Annual Biomedical Research Conference for Minority Students (ABRCMS): Preparing scientists for the 21st Century. American Society for Microbiology. Orlando, FL. October 31st – November 3rd.</p> <ul style="list-style-type: none"> ◆ D. Ramos, K. Mathee, and C.L. Koh. Molecular mechanisms involved in regulating the mucoid-to-nonmucoid conversion of <i>Pseudomonas aeruginosa</i>. Abstract #557.
28	<p>24th European Cystic Fibrosis Conference. Vienna, Austria. June 6th – 9th.</p> <ul style="list-style-type: none"> ◆ Z. Song, H. Wu, N. Høiby, A. Kharazmi, and K. Mathee. Role of alginate in <i>Pseudomonas aeruginosa</i> survival during lung infection. <i>Journal of Cystic Fibrosis</i> 2001, P237.
25-27	<p>101st Annual Meeting of the American Society for Microbiology. Orlando, FL. May 20th – 24th.</p> <ul style="list-style-type: none"> ◆ S. Jayawardena, J. Campbell-Tofte, D. Guardia, N. Bagge, O. Ciofu, N. Høiby, and K. Mathee. <i>Pseudomonas aeruginosa</i> <i>ampR</i> gene. Abstract #D-12. ◆ Plata-Stapper, M. Hentzer, Q. Li, A. Heydorn, G. Narasimhan, S. Molin, N. Hoiby, and K. Mathee. Role of alginate in <i>Pseudomonas aeruginosa</i> biofilm matrix formation. Abstract #J-11. ◆ Z. Song, H. Wu, K. Mathee, N. Hoiby, and A. Kharazmi. Effects of Gerimax ginseng treatment on the chronic lung infection with mucoid and non-mucoid <i>P. aeruginosa</i> in rats. Abstract #A-121 <ul style="list-style-type: none"> • <i>Selected by ASM for Press release titled as "Can ginseng combat bacterial infection?"</i> • <i>CBS journalist made an interviewd Dr. Song which appeared in CBS Health Watch on May 25, 2001 titled as "Ginseng May Fight Bacterial Infection, Help Cystic Fibrosis Sufferers".</i>
2000	
24	<p>14th North American Conference on Cystic Fibrosis. Baltimore, Maryland. November 9th – 12th.</p> <ul style="list-style-type: none"> ◆ H. Wu, K. Mathee, M. Givskov, Z.J Song, and N. Høiby. Effects of quorum sensing systems on the innate immunity and pulmonary cytokine production in chronic <i>Pseudomonas aeruginosa</i> lung infection. <i>Pediatric Pulmonology</i> 2000, S20: 275.
23	<p>1st International Conference on Traditional Chinese Medicine. College Park, Maryland. August.</p> <ul style="list-style-type: none"> ◆ Z. Song, H. Wu, Z. V. Fabber, K. Mathee, A. Kharazmi, and N. Høiby. Protective immune response induced by ginseng treatment in a mouse model of <i>Pseudomonas aeruginosa</i> lung infection.
22	<p>2nd ASM Conference on Microbial Biofilms (Biofilms 2000). Big Sky, Montana. July 16th – 20th.</p> <ul style="list-style-type: none"> ◆ Z. Ji, Q. Li, A. Heydorn, S. Molin, K. Mathee, and G. Narasimhan. Quantitative analysis of <i>Pseudomonas aeruginosa</i> biofilm images using fractal dimensions.

20 - 21	<p>100th Annual Meeting of the American Society for Microbiology. Los Angeles, CA. May 21st – 25th.</p> <ul style="list-style-type: none"> ◆ K. Mathee, M. Hentzer, A. Heydorn, N. Høiby, D. Ohman, S. Molin, and A. Kharazmi. Microcolony formation of <i>Pseudomonas aeruginosa</i> in cystic fibrosis lungs is influenced by infiltrating polymorphonuclear leukocytes. Abstract #J-4. ◆ H. Wu, Z. Song, M. Givskov, K. Mathee, J. Rygaard, and N. Høiby. The effects of <i>lasI</i> and <i>rhlII</i> on chronic lung infection of <i>Pseudomonas aeruginosa</i> in rat model. Abstract #D-137.
1999	
19	<p>13th North American Conference on Cystic Fibrosis. Seattle, WA. October 7th – 10th.</p> <ul style="list-style-type: none"> ◆ H. Wu, Z.J Song, M. Givskov, K Mathee, J. Rygaard, and N. Høiby. Quorum sensing systems contribute to the severity of the lung infection of <i>Pseudomonas aeruginosa</i> in rats. <i>Pediatric Pulmonology</i>, 1999, S19: 269.
17- 18	<p>7th International Congress on <i>Pseudomonas</i> - Biotechnology and Pathogenesis. Maui, Hawaii. September 1st – 5th.</p> <ul style="list-style-type: none"> ◆ H. Wu, Z. Song, K. Mathee, M. Hentzer, J. B. Andersen, C. Moser, S. Molin, N. Høiby, and M. Givskov. Detection of N-acyl-homoserine lactones in lung tissue infected with <i>Pseudomonas aeruginosa</i> associated with pulmonary infection in cystic fibrosis patients. Abstract #55. ◆ K. Mathee, A. Heydorn, O. Ciofu, M. Hentzer, M. Givskov, D.E. Ohman, N. Høiby, and S. Molin. Structure of mucoid and nonmucoid <i>Pseudomonas aeruginosa</i> biofilms. Abstract #53.
15 - 16	<p>99th Annual Meeting of the American Society for Microbiology, Chicago, Illinois. May 30th – June 3rd.</p> <ul style="list-style-type: none"> ◆ M. Hentzer, A. Heydorn, O. Ciofu, M. Givskov, N. Høiby, S. Molin, A. Kharazmi, and K. Mathee. Changes in cell-to-cell communication patterns in response to alginate production in <i>Pseudomonas aeruginosa</i>. Abstract B/D-311. ◆ K. Mathee, A. Heydorn, O. Ciofu, M. Hentzer, M. Givskov, N. Høiby, S. Molin, A. Kharazmi, and D.E. Ohman. Mucoid-to-nonmucoid conversion of <i>Pseudomonas aeruginosa</i> occurs by multiple mechanisms. Abstract D/B-38.
12 - 14	<p>Basic and Clinical Research of Chronic <i>Pseudomonas aeruginosa</i> Lung Infection in Cystic Fibrosis and Diffuse Panbronchiolitis - East meets West. Copenhagen, Denmark. March 17th – 19th.</p> <ul style="list-style-type: none"> ◆ Heydorn, M. Hentzer, M. Givskov, O. Geisenberger, L. Eberl, C. Sternberg, K. Mathee, and S. Molin. Structure/Activity relationships in flow-chamber biofilms of <i>Pseudomonas aeruginosa</i>. Abstract #14. ◆ M. Hentzer, Mathee, O. Ciofu, N. Høiby, S. Molin, and M. Givskov. Changes in levels of homoserine lactones in response to alginate production in <i>Pseudomonas aeruginosa</i>. Abstract #13. ◆ J.I.A. Campbell, P. Jensen, J. Blom, K. Mathee, O. Ciofu, A. Johnson, and N. Høiby. β-Lactam induced spheroplasts may constitute a drug resistance strategy by <i>Pseudomonas aeruginosa</i> in lung infections in patients with cystic fibrosis. Abstract #6.
1998	
11	<p>The Annual Meeting of the Cold Spring Harbor Laboratories on Molecular Genetics of Bacteria and Phages. Cold Spring Harbor, NY. August 25th – 30th.</p> <ul style="list-style-type: none"> ◆ K. Mathee, O. Ciofu, C. Sternberg, P. Lindum, J. Campbell, P. Jensen, A.H. Jøhansen, D. Ohman, M. Givskov, S. Molin, N. Høiby, and A. Kharazmi. Conversion to the mucoid form of <i>Pseudomonas aeruginosa</i>, associated with chronic pulmonary infection in cystic fibrosis, can be induced by hydrogen peroxide or activated polymorphonuclear leucocytes. Abstract #165

10	<p>The International Symposia on Microbial Ecology. Halifax, Nova Scotia. August 9th – 14th.</p> <ul style="list-style-type: none"> ◆ K. Mathee, O. Ciofu, C. Sternberg, P. Lindum, J. Campbell, D. Ohman, M. Givskov, S. Molin, N. Høiby, and A. Kharazmi. Conversion to the mucoid form of <i>Pseudomonas aeruginosa</i>, associated with chronic pulmonary infection in cystic fibrosis, can be induced by hydrogen peroxide or activated polymorphonuclear leucocytes. Abstract #245.
9	<p>98th Annual Meeting of the American Society for Microbiology, Atlanta, Georgia. May 17th – 21st.</p> <ul style="list-style-type: none"> ◆ J. Campbell-Tofte, P. Jensen, K. Mathee, O. Ciofu, and N. Høiby. β-lactam responsive genes in <i>Pseudomonas aeruginosa</i>. Abstract #V-116.
1997	
8	<p>Georgia Tech International Conference on Bioinformatics: Gene Discovery <i>in silico</i>. Atlanta, Georgia, p36. November</p> <ul style="list-style-type: none"> ◆ Y. Gao, M. Yang, X. Wang, K. Mathee, and G. Narasimhan. Detection of HTH motifs via data mining.
7	<p>6th International Congress on <i>Pseudomonas</i>: Molecular Biology and Biotechnology. Madrid, Spain. September 4th – 8th.</p> <ul style="list-style-type: none"> ◆ K. Mathee, C. Sternberg, O. Ciofu, P. Jensen, J. Campbell, M. Givskov, D. Ohman, N. Høiby, S. Molin, and A. Kharazmi. Oxygen radical induced phenotypic change from non-alginate producing to alginate-producing form of <i>Pseudomonas aeruginosa</i> in biofilms. Abstract #116.
1996	
6	<p>96th Annual Meeting of the American Society for Microbiology. New Orleans, LA. May 19th – 23rd.</p> <ul style="list-style-type: none"> ◆ K. Mathee. Evidence of post-translational regulation of <i>algT</i> that encodes alternate σ factor in <i>Pseudomonas aeruginosa</i> involved in alginate gene regulation. Abstract #B-394.
1995	
5	<p>The Annual Meeting of the Cold Spring Harbor Laboratories on Molecular Genetics of Bacteria and Phages. Cold Spring Harbor, NY. August 22nd – 27th.</p> <ul style="list-style-type: none"> ◆ K. Mathee, C. McPherson, and D.E. Ohman. Alginate gene regulation in <i>Pseudomonas aeruginosa</i> by AlgT, a σ^E homolog. Abstract #159.
4	<p>The FASEB Summer Conference on Control of Transcription Initiation in Prokaryotes. Saxtons River, Vermont. July.</p> <ul style="list-style-type: none"> ◆ D.E. Ohman, C.J. McPherson, and K. Mathee. Transcriptional control in <i>Pseudomonas aeruginosa</i> by AlgT, a putative alternate sigma factor involved in alginate gene regulation.
3	<p>The Annual Meetings of the American Gastroenterology Association of Digestive Diseases, San Diego, California. May</p> <ul style="list-style-type: none"> ◆ J. Ramakrishna, K. Mathee, A.G. Plaut, and A. Wright. Restriction enzyme systems of <i>Helicobacter pylori</i>. <i>Gastroenterology</i> 108: A200
1993	
2	<p>The FASEB Summer Conference on Control of Transcription Initiation in Prokaryotes. Saxtons River, Vermont.</p> <ul style="list-style-type: none"> ◆ M.M. Howe, M. Kahmeyer, L.W. Chiang, K. Mathee, I. Artsimovitch, and Z. Zhao. Activation of the middle and late promoters of bacteriophage Mu by the related activators Mor and C.

1989

1	89 th Annual Meeting of the American Society for Microbiology. New Orleans. May 19 th – 23 rd . ♦ Mathee, K. , and M.M. Howe. Function of the Mu middle operon. Abstract #M-2.
---	---

2.10. FUNDING

No	Project Title	Agency	Project Dates	Amount (Direct Cost)
External Funding as PI for Research				
10	Decoding <i>P. aeruginosa</i> RIP cascade and discovering its inhibitors as therapeutics	NIH-NIAID 1R15AI111210-01A1	08/15 – 07/19	\$431,000
9	Geospatial Data and Outreach Facilitation Systems for Vaccination Analysis and Management (Role: PI as the GHC Director) <i>Was moved to Public Health with Dr. Espinal</i>	SANOFI	2016	\$150,000
8	Unraveling bacterial virulence through genome analysis (Role: PI/mentor)	ASM	Summer 2016	\$5,000
7	The airway microbiome in patients with alpha-1 trypsin deficiency (Role: FIU PI)	Alpha-1 Trypsin Foundation	08/14 – 05/17	100,000 (~\$75,000 FIU Portion)
6	Regulation of <i>P. aeruginosa</i> PoxB oxacillinase by AmpR and a two-component system	NIH-NIAID 1SC1AI081376-01	04/08 – 07/13	\$1,238,000
5	Role of <i>Pseudomonas aeruginosa</i> β -lactamase genes	NIH-NIGMS	04/05 – 03/08	\$581,287
4	Ginseng as an antibacterial agent against <i>Pseudomonas aeruginosa</i>	NIH-R15 AREA	02/05 – 01/08	\$207,075
3	Regulation of β -lactamase genes of <i>Pseudomonas aeruginosa</i>	NIH-MBRS SCORE	04/01 – 3/04	\$482,402
2	Immuno-modulation by ginseng	Dansk Droge A/S, Denmark	03/02 – 09/02	\$2,052
1	Ginseng as a possible therapeutic agent	CF Foundation	04/01 – 07/02	\$43,200
External Funding for research as Co-PI				
14	Longitudinal study of vaginal microbiota and persistent human papillomavirus detection (Role: CoPI; PI: P. Madhivanan, Public Health)	NIH	03/17 – 07/20	\$ 250,000
13	Integrative modeling to link vascular phenotype to gene expression (Role: CoPI; PI: Nikolas Tsoukias, Biomedical Engineering)	NIH	8/14 – 7/17	\$ 250,000
12	NSF AIR-CREST-I/UCRC-Industry Ecosystem to Pipeline (Role: CoPI; PI: N. Rische, Computer Science)	NSF	09/13-6/15	\$1,000,000 7% - Salary (KM)
11	The airway microbiome in COPD. (Role: CoPI; PI: Giri Narasimhan, FIU and Adam Wanner, University of Miami)	Florida DOH Challenge Grant	04/10 – 03/12	\$748,400 (\$314,408 FIU Portion)

10	SEI+II: An integrated database approach to genome-scale analysis (Role: Co-PI; PI: Giri Narasimhan)	NIH-NIGMS	04/06 – 03/08	\$189,058
9	Microbial community organization and development of a pathogenic microbial consortium (Role: Co-Investigator; PI: L. Richardson)	NIH-MBRS SCORE	02/04 – 01/08	\$845,678
8	Research in nanoelectronics and bio-nano sensors (II) (Role: Co-PI; PI: Kinzy Jones)	AFOSR	04/06 – 02/08	\$400,000
7	Development of a mold remediation process using hydrogen peroxide catalyzed by Fe(II) ions (Role: Co-PI; PI: G. Tachiev, FIU HCET)	Environ Protection Agency	08/04 – 03/05	\$92,000
6	Effect of ginseng on the expression of virulence factors in <i>Pseudomonas aeruginosa</i> (Role: Mentor; PI: C. Bigger)	NIH-MBRS MARC	04/01 – 12/05	None
5	Mucoid conversion of <i>P. aeruginosa</i> associated with chronic pulmonary infection in patients (Role: Mentor; PI: C. Bigger)	NIH- MBRS RISE: R25 GM61347	04/99 – 12/05	None
4	Training in alternative tropical botanical medicine (Role: Co-PI; PI: B. Bennett)	NIH-NCCAM	01/02 – 12/05	\$1,146,485
3	Discovery and characterization of bacterial quorum sensing signals and their inhibitors (Role: Co-PI; PI: C.L. Koh)	Malaysian Research Council	02 – 04	\$20,000
2	Investigation for the effect of Chinese herb ginseng, provided by Dansk Droge A/S, on <i>Pseudomonas aeruginosa</i> associated with cystic fibrosis patients (Role: Co-PI; PI: A. Kharazmi)	Dansk Droge A/S, Denmark	08/00 – 07/01	\$37,500
1	Molecularbiological aimunobiological strategies for prevention and treatment of <i>P. aeruginosa</i> from chronic lung infection in CF (Role: Co-PI; PI: N. Høiby)	Danish Research Council	01/98 – 12/02	\$321,000

Internal Funding for Research as PI

10	Chemical library screening for <i>P. aeruginosa</i> amp pathway inhibitors	HWCOM –FIU DoR	08/13 – 12/14	\$24,000
9	Cystic fibrosis sputum profiling	FIU-NIH FREA	08/06 – 12/06	\$5,000
8	Role of <i>Pseudomonas aeruginosa</i> AmpR in transcription regulation of amp genes	FIU-NIH FREA	07/04 – 12/04	\$2,000
7	Phage therapy agents against <i>Pseudomonas aeruginosa</i> biofilms	FIU – Provost	05/04 – 09/04	\$5,000
6	Phage therapy agents against <i>Pseudomonas aeruginosa</i> biofilms – Travel Grant	FIU-NIH FREA	11/03 – 12/03	\$1,000
5	Topology analysis <i>P. aeruginosa</i> AmpG permease.	FIU-NIH FREA	10/03 – 12/03	\$4,000

4	Investigation for the effect of Chinese herb ginseng of <i>Pseudomonas aeruginosa</i>	DSRT — A&S Bridge Grant	04/02 – 9/02	\$20,229
3	Investigation for the effect of Chinese herb ginseng of <i>Pseudomonas aeruginosa</i>	DSRT Seed Grant	08/00 – 07/01	\$6,000
2	LS50B spectrometer upgrade	DSRT – A & S	09/99 – 12/00	\$7,185
1	Analysis of alginate promoters that are activated during mucoid conversion of <i>P. aeruginosa</i> associated with chronic pulmonary infection in patients with cystic fibrosis	FIU- Faculty Develop. Grant-in-Aid	09/99 – 12/00	\$999

Major External Funding for Conferences

15	17 th Biennial Pseudomonas Conference - 2019	American Society for Microbiology	2019	\$15,000
14	17 th Biennial Pseudomonas Conference - 2019	Microbiology Society	2019	~ £5000
13	17 th Biennial Pseudomonas Conference - 2019	New England Biolabs	2019	\$1,500
12	Asian Conference on Transcription - XV	New England Biolabs	2017	\$1,000
11	Asian Conference on Transcription - XV	Microbiology Society	2017	~ £3000
10	Poster and oral presentations Awards for Comparative Immunology Symposium	Microbiology Society	2017	£300
9	Vaccine Workshop (with C. Espinal)	Merck	2016	\$150,000
8	Dengue Workshop (with C. Espinal)	Sanofi-Pastuer	2016	\$100,000?
7	6 th International Conference on Global Health	Merck	2016	\$50,000
6	6 th International Conference on Global Health	Sanofi-Pastuer	2016	\$50,000
5	Emergent Security and HPV Workshop	Merck	2015-16	\$30,000
4	5 th International Conference on Global Health	Sanofi-Pastuer	2015	\$54,000
3	4 th International Conference on Tropical Medicine	Sanofi-Pastuer	2014	\$50,000
2	3 rd International Conference on Tropical Medicine	Sanofi-Pastuer	2013	\$15,000
1	2 nd International Conference on Tropical Medicine	Sanofi-Pastuer	2012	\$15,000

2.11. MENTORING (SCHOLARS AND STUDENTS)

Pathology Residents		
No	Date	Name, Affiliation
4	2/11	Vicki Najjar, MD , Miami Mt Sinai
3	4/10	Alicia Hirzell, MD , Miami Mt Sinai
2	1/10	Aaron Cotrell, MD , Miami Mt Sinai
1	11/09	Andrew Schubeck, MD , Miami Mt Sinai
Visiting Scholars		
9	6/17 – 6/18	<p>George Szatmari, Professor of Microbiology, McGill University, Canada. (Sabbatical Visitor)</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ C. Delgado, L. Florez, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885
8	11/10 – 3/11	<p>Ciraj Mohammad, PhD, Professor of Microbiology, Manipal Medical College, India. (Visiting Fulbright Scholar)</p>
7	9/09 – 12/09	<p>Hanaa Mansour, PhD, Professor of Microbiology, Head of Measure Branch of Pharmcology Drug Contol and Research, National Organization of Food Drug Control and Research (NCD CAR), Cairo, Egypt.</p> <p>Title: Quorm sensing antagonists</p>
6	1/09 – 7/09	<p>Yingchun Zheng, MD, Associate Professor, Reproductive Medical Center, Shandong University, China.</p> <p>Title: Role of <i>Pseudomonas aeruginosa</i> AmpR-regulated <i>lecB</i> in virulence</p>
5	1/09 – 7/09	<p>Yuhua Shi, MD, Associate Professor, Reproductive Medical Center, Shandong University, China.</p> <p>Title: Role of <i>Pseudomonas aeruginosa</i> AmpR-regulated <i>lecA</i> in virulence</p>
4	12/07 – 6/08	<p>Balasubramanian Danajeyan, PhD, Associate Professor, Tamil Nadu Agricultural University, Coimbatore, India</p> <p>Exploitation of soil metagenomics for monitoring microbial nitrogen transformation and soil fertility</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ D. Balachandar, M.S. Doud, L. Schneper, D.E. Mills, and K. Mathee. (2014). Long-term organic nutrient management fosters the eubacterial community diversity in the Indian semi-arid alfisol as revealed by length heterogeneity-PCR. <i>Communications in Soil Science and Plant Analysis</i>. 45:189-203. DOI:10.1080/00103624.2013.841919. ➤ M.S. Doud, R. Grimes-Zeppego, E. Molina, N. Miller, D. Balachandar, L. Schneper, R. Poppiti, and K. Mathee. A k2A-positive <i>Klebsiella pneumoniae</i> causes liver and brain abscess in a Saint Kitt's man. <i>International Journal of Medical Sciences</i> 6(6):301-304.
3	Sp '07	Karega Paisely, MD . Moved on to work in global health and now practices in Minnesota.
2	Fall '01	<p>Jim Entry, PhD. USDA ARS, Northwest Irrigation and Soils Research Laboratory, Kimberly, Idaho (Sabbatical Visitor)</p> <p>Title: Using molecular tools to discern microbial diversity</p> <p>Publications</p>

		<ul style="list-style-type: none"> ➤ J. Entry, D. Mills, K. Mathee, K. Jayachandran, R.E. Sojka and G. Narasimhan. (2008) Influence of irrigated agriculture on soil microbial diversity. <i>Applied Soil Ecology</i> 40:146-154. ➤ D.K. Mills, J.A. Entry, K. Mathee, and P.M. Gillevet. (2007). Mini-Review: Assessing Microbial Community Diversity Using Amplicon Length Heterogeneity PCR. <i>Soil Science Society of America Journal</i> 71 March-April ➤ D.K. Mills, J.A. Entry, J.D. Voss, P.M. Gillevet, and K. Mathee. (2006). An assessment of the hypervariable domains of the 16S rRNA genes for their value in determining microbial community diversity: the paradox of traditional ecological indices. <i>FEMS Microbiological Ecology</i> 57:496-503. ➤ L.I. Moreno, D. K. Mills, J.A. Entry, R.T. Sautter, and K. Mathee. (2006). Microbial metagenome profiling using Amplicon Length Heterogeneity-Polymerase Chain Reaction (ALH-PCR) proves more effective than elemental analysis in discriminating soil specimens. <i>Journal of Forensic Science</i> 51:1315-1322. ➤ C. Yang, D. Mills, K. Mathee, Y. Wang, K. Jayachandran, M. Sikaroodi, P. Gillevet, J.A. Entry, G. Narasimhan. (2006). Ecoinformatics tools for microbial diversity studies: Supervised classification of amplicon length heterogeneity (ALH) profiles of 16S rRNA. <i>Journal of Microbiological Methods</i> 65: 49-62. ➤ D. Mills, J.A. Entry, K. Mathee, K. Jayachandran, R.E. Sojka, W.J. Busscher. (2003). Irrigated agriculture and tillage practices impact microbial community structure. <i>Proceedings of the International Soil Tillage Research Organization, 16th Triennial Conference, Brisbane, Australia.</i> p749-754.
1	8/00 – 6/01	<p>Chong-Lek Koh, PhD, Professor, Institute of Biological Sciences (Genetics), University of Malaya, Kuala Lumpur, Malaysia (Visiting Fulbright Scholar). Current Address: Sub-Dean, Graduate Academic Programs (Research Higher Degrees), National Institute of Education, Singapore Title: Pseudomonas aeruginosa ampDE operon analysis</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ R. Sautter, D. Ramos, L. Schneper, O. Ciofu, T. Wassermann, C.L. Koh, A. Heydorn, M. Hentzer, N. Hoiby, A. Kharazmi, S. Molin, C.A. DeVries, D.E. Ohman, and K. Mathee. (2012). A complex multilevel attack on <i>Pseudomonas aeruginosa</i> algT/U expression and AlgT/U activity results in the loss of alginate production. <i>Gene</i> 498(2):242-53 ➤ K.F. Kong, S.R. Jayawardena, S. D. Indulkar, A. del Puerto, C-L. Koh, N. Høiby, and K. Mathee. (2005) <i>Pseudomonas aeruginosa</i> AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB b-lactamases, proteases, quorum sensing and other virulence factors. <i>Antimicrobial Agents and Chemotherapy</i> 49:4567-75. ➤ C.L. Koh, M.L. Yap, Y.S. Ooi, M.E. Lim, and K. Mathee. (2003) Screening of environmental water samples from Malaysia for bacteria producing autoinducers and inhibitors of quorum sensing. <i>Persatuan Genetik Malaysia; University of Malaya; Ministry of Science, Technology & the Environment, Malaysia; and Ministry of Health, Malaysia.</i> 25-27 March, 2003; Kuala Lumpur. <i>Proceedings of the 5th National Congress of Genetics.</i> p162-163.
Visiting Students, Pending Degrees		
15	6/18 – 9/18	<p>Elsa Bostovironnois, B.Tech. Universite-Catholique-de-Lyon, France Title: To identify AmpR inhibitors</p>
14	6/17	<p>Trevor Thornton, B.S. FSTAR Student from the Bethune-Cook University</p>
13	6/17	<p>Zakaila Tillman, B.S. (Florida Science Training and Research Fellowship (F-STAR)) student from the Bethune-Cook University</p>
12	4/17 – 9/17	<p>Kritsakorn Saninijuk, Ph.D. Chulabhorn Institute, Bangkok, Thailand Title: To identify AmpR inhibitors and Genome assembly</p>
11	6/16 – 9/16	<p>Floriane Nhoung, B.Tech. Universite-Catholique-de-Lyon, France Title: To identify AmpR inhibitors</p>

10	6/14 – 9/14	Coralie Bernard, B.Tech. Universite-Catholique-de-Lyon, France Title: To identify AmpR inhibitors
9	6/13 – 9/13	Anne-Laure Dandrieux, B.Tech. Universite-Catholique-de-Lyon, France Title: To determine the role Viutamin B6 in <i>Pseudomonas aeruginosa</i> in virulence
8	6/12 – 9/12	Camille de Rimentil, B.Tech. Universite-Catholique-de-Lyon, France Title: Identification of novel regulator of <i>Pseudomonas aeruginosa</i> pox operon
7	Sum '11	Christine Lopez, B.S. University of Central Florida Title: <i>Pseudomonas aeruginosa</i> alginate gene regulation Publications ➤ C. Delgado, L. Florez, I. Lollett, C. Lopez , S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucooid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885
6	5/10 – 9/10	Benjamin Gauthier, B.Tech. Universite-Catholique-de-Lyon, France Title: <i>Pseudomonas aeruginosa</i> two component systems
5	Sum '09, '10	Jason George, B.S. Georgia Technical University Title: To characterize a novel β -lactamase in <i>Pseudomonas aeruginosa</i>
4	6/10 – 8/10	Lucy Li, B.S. Princeton University Title: To determine if AmpR regulates <i>algT/U</i> encoding a sigma factor critical for alginate expression.
3	5/09 – 9/09	Nathan Bisset, B.Tech. Universite-Catholique-de-Lyon, France Title: <i>Pseudomonas aeruginosa</i> genetics
2	1/08 – 5/08	Marios Stylianu, M.S. Umea University, Sweden Title: Mapping mutations responsible for nonmucooid reversion phenotype of mucooid <i>Pseudomonas aeruginosa</i> Publications ➤ C. Delgado, L. Florez, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou , R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucooid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885
1	03/07 – 09/07	Chigoziem Derek Nkwonta, Ph.D. University of Ibadan, Nigeria Title: Characterization of multi-drug resistant <i>Pseudomonas aeruginosa</i> isolates from Southern Nigeria. Visiting PhD student from University of Ibadan, Nigeria.

Research Assistant Professor/ Research Analyst

3	8/12 – 10/17	Hansi Kumari Bisht, Research Analyst and Lab Co-Director Title: <i>Pseudomonas aeruginosa</i> virulence associated with antibiotic resistance Publications ➤ B. Colbert, H. Kumari , A. Pinon, L. Frey, S. Pandey, and K. Mathee. (2018). Alginate-regulating genes are identified in the clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192. <i>bioRxiv</i> 319004; doi: https://doi.org/10.1101/319004 ➤ C. Delgado, L. Florez, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari , M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in
---	--------------	--

		<p>nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S.</p> <ul style="list-style-type: none"> ➤ S. Pandey, C. Delgado, L. Florez, H. Kumari, and K. Mathee. (2018) Outer membrane protein LptD (PA0595) plays a role in the regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i>. <i>Journal of Medical Microbiology</i> Aug;67(8): 1139-1156. doi: 10.1099/jmm.0.000752. PMID: 29923820. ➤ S. Dhar, H. Kumari, D. Balasubramanian, and K. Mathee. Cell-wall recycling and synthesis in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> — their role in the development of resistance. <i>Journal of Medical Microbiology</i> 67(1):1-21. doi: 10.1099/jmm.0.000636. Epub 2017 Nov 29. Review. ➤ S. Pandey, C. Delgado, L. Florez, H. Kumari, and K. Mathee. (2017). Outer membrane protein LptD (PA0595) plays a role in the regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i>. Provisionally accepted. (JMM-D-17-00243). ➤ R. Mittal, C.V. Lisi, H. Kumari, M. Grati, P. Blackwelder, D. Yan, C. Jain, K. Mathee, P.H. Weckwerth, X.Z. Liu XZ. (2016). Otopathogenic <i>Pseudomonas aeruginosa</i> enters and survives Inside macrophages. <i>Frontiers Microbiology</i> 7:1828. eCollection. ➤ H. Kumari, D. Balasubramanian, and K. Mathee (2016) Role of small RNAs in <i>Pseudomonas aeruginosa</i> virulence and adaptation, p 383-392 Invited Book Chapter. Stress and Environmental Regulation of Gene Expression and Adaptation in Bacteria, 2 Volume Set Editor, F. de Bruijn ISBN: 978-1-119-00488-2 1472 pages. Wiley-Blackwell ➤ G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. (2015). <i>Pseudomonas aeruginosa</i> MifS-MifR two competent system is specific for α-ketoglutarate utilization. <i>PLoS One</i> Jun 26;10(6):e0129629. doi: 10.1371/journal.pone.0129629. ➤ D. Balasubramanian, H. Kumari, and K. Mathee. (2015) <i>Pseudomonas aeruginosa</i> AmpR: An acute-chronic switch regulator. <i>Pathogens and Diseases</i>, Mar;73(2):1-14. doi: 10.1111/2049-632X.12208. Epub 2015 Feb 26. ➤ O. Caille*, D. Zincke*, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory, and K. Mathee. (2014). Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Sep 2. pii: JB.01997-14. [*- Contributed equally] ➤ H. Kumari*, D. Balasubramanian*, and K. Mathee. (2014) <i>Pseudomonas aeruginosa</i> AmpR: An acute-chronic switch regulator. <i>FEMS: Pathogens and Diseases</i>, In press [*- Contributed equally] ➤ H. Kumari, D. Balasubramanian, D. Zincke, and K. Mathee. (2014). <i>Pseudomonas aeruginosa</i> AmpR plays a role in transient cross-resistance to β-lactams and non-β-lactams upon preexposure to subinhibitory concentrations of antibiotics. <i>Journal of Medical Microbiology</i> Apr; 63(Pt 4):544-55 Jan 25. doi: 10.1099/jmm.0.070185-0] <i>Featured in MDLinx web site (www.MDLinx.com)</i>. ➤ H. Kumari*, S.K. Murugapiran*, L. Schneper, D. Balasubramanian, M. Merighi, D. Sarracino, S. Lory, and K. Mathee. (2014). LTQ-XL mass spectrometry proteome analysis expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include cyclic di-GMP phosphodiesterases and phosphoproteins, and identifies novel open reading frames. <i>Journal of Proteome Research</i> Jan 16; 96:328-42. doi: 10.1016/j.jpro.2013.11.018. Epub 2013 Nov 28. [*- Contributed equally] ➤ D. Balasubramanian, H. Kumari, K. Turner, S. Dove, M. Fernandez, G. Narasimhan, and K. Mathee. (2014). Deep sequencing analyses expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include small RNA-mediated regulation of iron acquisition, heat-shock and the oxidative stress response. <i>Nucleic Acids Research</i> 42(2):979-98 doi: 10.1093/nar/gkt942. Epub 2013 Oct 23. ➤ D. Balasubramanian, L. Schneper, H. Kumari, and K. Mathee. (2013). A dynamic and intricate regulatory network determines <i>Pseudomonas aeruginosa</i> virulence. <i>Nucleic Acids Research</i> 41(1):1-20.
2	8/10 – 8/12	<p>Eugenia Silvia-Herzog, Ph.D. Title: To characterize <i>Pseudomonas aeruginosa</i> PoxB regulators involved in antibiotic resistance Publications</p>

		<ul style="list-style-type: none"> ➤ G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. (2015). <i>Pseudomonas aeruginosa</i> MifS-MifR two competent system is specific for α-ketoglutarate utilization. <i>PLOS One</i> Jun 26;10(6): e0129629. doi: 10.1371/journal.pone.0129629. ➤ O. Caille*, D. Zincke*, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory, and K. Mathee. (2014). Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Sep 2. pii: JB.01997-14. [*- Contributed equally] ➤ M. Jaric, J. Segal, E. Silva-Herzog, L. Schneper, K. Mathee, and G. Narasimhan. (2013). Better primer design for metagenomic applications by increasing taxonomic distinguishability. <i>BMC Proceedings</i> (Suppl 7): S4 doi:10.1186/1753-6561-7-S7-S4. ➤ D. Balasubramanian, S.K. Murugapiran, E. Silva-Herzog, L. Schneper, X. Yang, G. Tatke, G. Narasimhan, and K. Mathee. (2013) Transcriptional regulatory network in <i>Pseudomonas aeruginosa</i>. In <i>Bacterial Gene Regulation</i>. By M. Babu (Ed). Horizon Press.
1	8/07 – 12/12	<p>Lisa Schneper, Ph.D. Research Assistant Professor and Lab Co-director</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ C. Delgado*, L. Florez*, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S. [*- Contributed equally] ➤ O. Caille*, D. Zincke*, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory, and K. Mathee. (2014). Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Sep 2. pii: JB.01997-14. [*- Contributed equally] ➤ H. Kumari*, S.K. Murugapiran*, L. Schneper, D. Balasubramanian, M. Merighi, D. Sarracino, S. Lory, and K. Mathee. (2014). LTQ-XL mass spectrometry proteome analysis expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include cyclic di-GMP phosphodiesterases and phosphoproteins, and identifies novel open reading frames. <i>Journal of Proteome Research</i> Jan 16; 96:328-42. doi: 10.1016/j.jprot.2013.11.018. Epub 2013 Nov 28. [*- Contributed equally] ➤ M. Jaric, J. Segal, E. Silva-Herzog, L. Schneper, K. Mathee, and G. Narasimhan. (2013). Better primer design for metagenomic applications by increasing taxonomic distinguishability. <i>BMC Proceedings</i> (Suppl 7): S4 doi:10.1186/1753-6561-7-S7-S4. ➤ D. Balachandar, M.S. Doud, L. Schneper, D.E. Mills, and K. Mathee. (2013) Long-term organic nutrient management fosters the eubacterial community diversity in the Indian semi-arid alfisol as revealed by length heterogeneity-PCR. <i>Communications in Soil Science and Plant Analysis</i>. 45:189-203. DOI:10.1080/00103624.2013.841919. ➤ D. Balasubramanian, L. Schneper, H. Kumari, and K. Mathee. (2013). A dynamic and intricate regulatory network determines <i>Pseudomonas aeruginosa</i> virulence <i>Nucleic Acids Research</i> <i>Nucleic Acids Research</i> 41(1):1-20. ➤ D. Balasubramanian, S.K. Murugapiran, E. Silva-Herzog, L. Schneper, X. Yang, G. Tatke, G. Narasimhan, and K. Mathee. (2013). Transcriptional regulatory network in <i>Pseudomonas aeruginosa</i>. In <i>Bacterial Gene Regulation</i>. By M. Babu (Ed). Horizon Press. ➤ R. Sautter, D. Ramos, L. Schneper, O. Ciofu, T. Wassermann, C.L. Koh, A. Heydorn, M. Hentzer, N. Hoiby, A. Kharazmi, S. Molin, C.A. DeVries, D.E. Ohman, and K. Mathee. (2012). A complex multilevel attack on <i>Pseudomonas aeruginosa</i> <i>algT/U</i> expression and <i>AlgT/U</i> activity results in the loss of alginate production. <i>Gene</i> 498(2):242-53. ➤ E. Zeng, C. Ding, K. Mathee, L. Schneper, and G. Narasimhan. (2012). Gene function prediction and functional network: The role of gene ontology. <i>Data Mining: Foundations and Intelligent Paradigms</i>, 123-162 ➤ D. Balasubramanian, L. Schneper, M. Merighi, R. Smith, G. Narasimhan, S. Lory, and K. Mathee. (2012). The regulatory repertoire of <i>Pseudomonas aeruginosa</i> AmpC β-lactamase regulator AmpR includes virulence genes. <i>PLoS One</i> 2012;7(3):e34067. ➤ V.L.A. Malladi, A.J. Sobczak, N. Maricic, S.K. Murugapiran, L. Schneper, J. Makemson, K. Mathee, and S. Wnuk. (2011) Substituted lactam and cyclic azahemiacetals modulate

		<p><i>Pseudomonas aeruginosa</i> quorum sensing. <i>BMC Bioorganic and Medicinal Chemistry</i>. Epub July 28</p> <ul style="list-style-type: none"> ➤ C.Z. Li, K. Vandenberg, S. Prabhulkar, X. Zhu, L. Schneper, K. Mathee, C.J. Rosser, and E. Almeida. (2011) Paper based point-of-care testing disc for multiplex whole cell bacteria analysis. <i>Biosensors and Bioelectronics</i> 26:4342-8. ➤ E. Zheng, C. Ding, K. Mathee, L. Schneper, and G. Narasimhan. (2011) Semantic similarity between genes and its applications in function prediction and functional network generation. <i>Data mining: Medical, Health, Social and Biological Applications</i>. D.E. Holmes (Ed.), Springer. ➤ K.F. Kong, A. Aguila, L. Schneper, and K. Mathee. (2010). <i>Pseudomonas aeruginosa</i> β-lactamase induction requires two permeases, AmpG and AmpP. <i>BMC Microbiology</i> 10:328-343. ➤ Z. Song, K.F Kong, H. Wu, N. Maricic, B. Ramalingam, H. Priestap, J.M.E. Quirke, N. Høiby, L. Schneper, and K. Mathee. (2010). <i>Panax ginseng</i> has anti-infective activity against opportunistic pathogen <i>Pseudomonas aeruginosa</i> by inhibiting quorum sensing, a bacterial communication process critical for establishing infection. <i>Phytomedicine</i> 17(13):1040-6. ➤ K. F. Kong, L. Schneper, and K. Mathee. (2010). Beta-lactam antibiotics: from antibiosis to resistance and bacteriology. Review. <i>Acta Pathologica, Microbiologica, et Immunologica Scandinavica</i> 118(1):1-36 ➤ M.S. Doud, R. Grimes-Zeppeigno, E. Molina, N. Miller, D. Balachandar, L. Schneper, R. Poppiti, and K. Mathee. A k2A-positive <i>Klebsiella pneumoniae</i> causes liver and brain abscess in a Saint Kitt's man. <i>International Journal of Medical Sciences</i> 6(6):301-304. ➤ M. Doud, E. Zeng, L. Schneper, G. Narasimhan, and K. Mathee. (2009). Approaches to analyzing dynamic microbial communities such as those seen in cystic fibrosis lung. <i>Human Genomics</i> 3(3):246-256. ➤ E. Zeng, G. Narasimhan, L. Schneper, and K. Mathee. (2008). A functional network of yeast genes using gene ontology information. <i>IEEE Conference on Bioinformatics and Biomedicine (BIBM2008)</i> 343-346.
Post-doctoral Fellows		
5	7/11 – 8/12	<p>Hansi Kumari Bisht Title: To characterize <i>Pseudomonas aeruginosa</i> Mifs in antibiotic resistance and biofilm formation Publications</p> <ul style="list-style-type: none"> ➤ D. Balasubramanian, L. Schneper, H. Kumari, and K. Mathee. (2013). A dynamic and intricate regulatory network determines <i>Pseudomonas aeruginosa</i> virulence. <i>Nucleic Acids Research</i> <i>Nucleic Acids Research</i> 41(1):1-20. <p>Research Analyst & Lab Co-Director, Florida International University, Miami, FL.</p>
4	11/08 – 3/11	<p>Senthilkumar Murugapiran, Ph.D. Title: <i>Pseudomonas aeruginosa</i> AmpR proteomics Publications</p> <ul style="list-style-type: none"> ➤ H. Kumari*, S.K. Murugapiran*, L. Schneper, D. Balasubramanian, M. Merighi, D. Sarracino, S. Lory, and K. Mathee. (2014). LTQ-XL mass spectrometry proteome analysis expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include cyclic di-GMP phosphodiesterases and phosphoproteins, and identifies novel open reading frames. <i>Journal of Proteome Research</i> Jan 16; 96:328-42. doi: 10.1016/j.jprot.2013.11.018. Epub 2013 Nov 28. [*- Contributed equally] ➤ D. Balasubramanian, S.K. Murugapiran, E. Silva-Herzog, L. Schenper, X. Yang, G. Tatke, G. Narasimhan, and K. Mathee. (2013) Transcriptional regulatory Network in <i>Pseudomonas aeruginosa</i>. In Bacterial Gene Regulation. By M. Babu (Ed). Horizon Press. ➤ V.L.A. Malladi, A.J. Sobczak, N. Maricic, S.K. Murugapiran, L. Schneper, J. Makemson, K. Mathee, and S. Wnuk. (2011) Substituted lactam and cyclic azahemiacetals modulate <i>Pseudomonas aeruginosa</i> quorum sensing. <i>BMC Bioorganic and Medicinal Chemistry</i>. Epub July 28.
3	9/07 – 7/10	<p>Oliver Caille, Ph.D. Title: Structure-function analysis of <i>Pseudomonas aeruginosa</i> AmpR</p>

		<p>Publication</p> <ul style="list-style-type: none"> ➤ O. Caille*, D. Zincke*, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory, and K. Mathee. (2014). Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Sep 2. pii: JB.01997-14. [*- Contributed equally]
2	6/02 – 6/03	<p>DeEtta Mills, Ph.D.</p> <p>Title: (i) Using molecular tools to discern microbial diversity; (ii) Proteomic analysis in response to b-lactam antibiotics in <i>Pseudomonas aeruginosa</i></p> <p>Publications</p> <ul style="list-style-type: none"> ➤ D. Balachandar, M.S. Doud, L. Schneper, D.E. Mills, and K. Mathee. (2013) Long-term organic nutrient management fosters the eubacterial community diversity in the Indian semi-arid alfisol as revealed by length heterogeneity-PCR. <i>Communications in Soil Science and Plant Analysis</i>. 45:189-203. DOI:10.1080/00103624.2013.841919. ➤ J. Entry, D.K. Mills, K. Mathee, K. Jayachandran, R.E. Sojka and G. Narasimhan. (2008) Influence of irrigated agriculture on soil microbial diversity. <i>Applied Soil Ecology</i> 40:146-154. ➤ D.K. Mills, J.A. Entry, K. Mathee, and P.M. Gillevet. (2007). Mini-Review: Assessing Microbial Community Diversity Using Amplicon Length Heterogeneity PCR. <i>Soil Science Society of America Journal</i> 71 March-April ➤ D.K. Mills, J. A. Entry, J.D. Voss, P.M. Gillevet, and K. Mathee. (2006). An assessment of the hypervariable domains of the 16S rRNA genes for their value in determining microbial community diversity: the paradox of traditional ecological indices. <i>FEMS Microbiological Ecology</i> 57:496-503. ➤ L.I. Moreno, D. K. Mills, J. Entry, R.T. Sautter, and K. Mathee. (2006). Microbial metagenome profiling using Amplicon Length Heterogeneity-Polymerase Chain Reaction (ALH-PCR) proves more effective than elemental analysis in discriminating soil specimens. <i>Journal of Forensic Science</i> 51:1315-1322. ➤ C. Yang, D. Mills, K. Mathee, Y. Wang, K. Jayachandran, M. Sikaroodi, P. Gillevet, J. Entry, G. Narasimhan. (2006). Ecoinformatics tools for microbial diversity studies: Supervised classification of amplicon length heterogeneity (ALH) profiles of 16S rRNA. <i>Journal of Microbiological Methods</i> 65: 49-62. ➤ D. Mills, J.A. Entry, K. Mathee, K. Jayachandran, R.E. Sojka, W.J. Busscher. (2003). Irrigated agriculture and tillage practices impact microbial community structure. <i>Proceedings of the International Soil Tillage Research Organization, 16th Triennial Conference, July 2003, Brisbane, Australia.</i> p749-754. <p>Associate Professor in Biological Sciences & Director, DNA Fingerprinting Facility, International Forensic Research Institute, Florida International University, Miami, FL.</p>

1	8/00 – 8/02	<p>Zhijun Song, M.D., Ph.D. Title: Ginseng as anti-bacterial agent for treating <i>Pseudomonas aeruginosa</i> Publications</p> <ul style="list-style-type: none"> ➤ Z. Song, K.F Kong, H. Wu, N. Maricic, B. Ramalingam, H. Priestap, J.M.E. Quirke, N. Høiby, L. Schneper and K. Mathee. <i>Panax ginseng</i> has anti-infective activity against opportunistic pathogen <i>Pseudomonas aeruginosa</i> by inhibiting quorum sensing, a bacterial communication process critical for establishing infection. <i>Phytomedicine</i> 17(13):1040-1046. ➤ X.H. Guo, Z.J. Song, H. Wu, P. Yan, X.J. Qin, K. Mathee, N. Høiby, B.J. Tang, X.Q. Qiu, Y.Q. Chen. (2004). Effects of pre-immunization with Bacillus Calmette Guerin vaccine on chronic <i>P. aeruginosa</i> lung infection in rats. <i>Current Immunology</i> 24:138-141. (In Chinese) ➤ Z. Song, H. Wu, O. Ciofu, K.F. Kong, N. Høiby, J. Rygaard, A. Kharazmi, K. Mathee. (2003) <i>Pseudomonas aeruginosa</i> alginate is refractory to Th1 immune response and impedes host immune clearance in a mouse model of acute lung infection. <i>Journal of Medical Microbiology</i> 52:731-40. ➤ Z.J. Song, H. Wu, K. Mathee, N. Høiby, and A. Kharazmi. (2002). Gerimax ginseng regulates both humoral and cellular immunity during chronic <i>Pseudomonas aeruginosa</i> lung infection. <i>Journal of Alternative and Complementary Medicine</i> 8:459-466 ➤ H. Wu, Z. Song, M. Givskov, G. Doring, D. Worlitzsch, K. Mathee, J. Rygaard, and N. Hoiby. (2001). <i>Pseudomonas aeruginosa</i> mutations in <i>lasI</i> and <i>rhlI</i> quorum sensing systems result in milder chronic lung infection. <i>Microbiology</i> 147:1105-1113. ➤ H. Wu, Song, Z.J., K. Mathee, M. Hentzer, J.B. Andersen, A. Heydorn, C. Moser, L. Eberl, S. Molin, N. Høiby, and M. Givskov. (2000). Detection of N-acylhomoserine lactones in lung tissues of mice infected with <i>Pseudomonas aeruginosa</i>. <i>Microbiology</i> 146:2481-2493. <p>Clinical Microbiologist, Department of Clinical Microbiology, University Hospital, Copenhagen, Denmark.</p>
Graduate Students		
17	Sp '13 – Sum '18	<p>Supurna Dhar, PhD (Biomedical Sciences) (Rotation 11/2012 – 1/2013); Joined the lab 3/16/2013 Title: Identification of <i>Pseudomonas aeruginosa</i> muramyl peptides Publication</p> <ul style="list-style-type: none"> ➤ S. Dhar, H. Kumari, D. Balasubramanian, and K. Mathee. (2018). Cell-wall recycling and synthesis in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> — their role in the development of resistance. <i>Journal of Medical Microbiology</i> 67(1):1-21. doi: 10.1099/jmm.0.000636. Epub 2017 Nov 29. Review. ➤ M. Lee*, S. Dhar*, S. De Benedetti, D. Heseck, B. Boggess, B. Blázquez, K. Mathee^, and S. Mobashery^. Muropeptide pool and the elicitors of β-lactam-antibiotic resistance in <i>Pseudomonas aeruginosa</i>. <i>Angewandte Chemie International Edition in English</i> 55(24):6882-6. doi: 10.1002/anie.201601693. Epub 2016 Apr 25. [* - contributed equally; ^ - co-corresponding authors] <i>Corrigendum: Angew Chem Int Ed Engl.</i> 55(41):12568. doi: 10.1002/anie.201608482. [*- Contributed equally]
16	Fall '11 – Sum '18	<p>Sundar Pandey, PhD (Biological Sciences) Title: Identification of novel genes involved in alginate production Publication</p> <ul style="list-style-type: none"> ➤ S. Pandey, C. Delgado, L. Florez, H. Kumari, and K. Mathee. (2018) Outer membrane protein LptD (PA0595) plays a role in the regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i>. <i>Journal of Medical Microbiology</i> doi: 10.1099/jmm.0.000752. PMID: 29923820. ➤ B. Colbert, H. Kumari, A. Pinon, L. Frey, S. Pandey, and K. Mathee. (2018). Alginate-regulating genes are identified in the clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192. <i>bioRxiv</i> 319004; doi: https://doi.org/10.1101/319004 ➤ S. Pandey, K. Martins, and K. Mathee. (2016) Posttranslational regulation of antisigma factors of RpoE: a comparison between the <i>Escherichia coli</i> and <i>Pseudomonas</i>

		<i>aeruginosa</i> systems, p361-5. Invited Book Chapter. Stress and Environmental Regulation of Gene Expression and Adaptation in Bacteria, 2 Volume Set Editor, F. de Bruijn ISBN: 978-1-119-00488-2 1472 pages. Wiley-Blackwell
15	Fall '11 – Sp'14	<p>Jonathan Segal, MS (Forensic Sciences) Title: Design of novel DNA primers for <i>Bacillus thuringiensis</i> and <i>Serratia marcescens</i> and the Influence of complex microbial metagenome on detection sensitivity</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ M. Fernandez, V. Aguiar-Pulido, J. Riveros, W. Huang, J. Segal, E. Zeng, M. Campos, K. Mathee, E. Zeng, and G. Narasimhan, Microbiome Analysis: State-of-the-Art and Future Trends. Chapter 18 in <i>Computational Methods for Next Generation Sequencing Data Analysis</i>. Eds: Mandoiu and Zelikovsky, John Wiley and Sons, p333-351. ➤ M. Jaric, J. Segal, E. Silva-Herzog, L. Schneper, K. Mathee, and G. Narasimhan. Better primer design for metagenomic applications by increasing taxonomic distinguishability. <i>BMC Proceedings</i> 7(Suppl 7): S4 doi:10.1186/1753-6561-7-S7-S4. ➤ M. Fernandez, M. Jaric, L. Schneper, J. Segal, E. Silva-Herzog, M. Campos, J. Fishman, M. Salathe, A. Wanner, J. Infante, K. Mathee, G. Narasimhan. (2013) A metagenomic approach to the airways microbiome of chronic obstructive pulmonary disease (COPD). Biomedical Engineering Conference (SBEC) Southern 151 – 152.
14	Fall '10 – Fall '16	<p>Gorakh Tatke, PhD (Biological Sciences) Title: Elucidating the role of MifS-MifR Two-component system in regulating <i>Pseudomonas aeruginosa</i> pathogenicity</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ K. Mathee, L.L. Silver, and G. Tatke. 70th Anniversary Collection for the Microbiology Society: Journal of Medical Microbiology. <i>Journal of Medical Microbiology</i> Dec;64(12):1457-61. doi: 10.1099/jmm.0.000186. ➤ G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez, and K. Mathee. (2015). <i>Pseudomonas aeruginosa</i> MifS-MifR two competent system is specific for α-ketoglutarate utilization. <i>PLOS One</i> Jun 26;10(6): e0129629. doi: 10.1371/journal.pone.0129629. ➤ D. Balasubramanian, S.K. Murugapiran, E. Silva-Herzog, L. Schenper, X. Yang, G. Tatke, G. Narasimhan and K. Mathee. (2013) Transcriptional regulatory network in <i>Pseudomonas aeruginosa</i>. In <i>Bacterial Gene Regulation</i>. By M. Babu (Ed). Horizon Press.
13	Sp '07 – Sp '15	<p>Diansy Zincke, PhD (Biological Sciences) Title: Regulation of <i>Pseudomonas aeruginosa</i> <i>pox</i> operon involved in oxacillin resistance</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ O. Caille*, D. Zincke*, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory and K. Mathee. (2014). Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Sep 2. pii: JB.01997-14. [* - Contributed equally] ➤ H. Kumari, D. Balasubramanian, D. Zincke and K. Mathee. (2014). <i>Pseudomonas aeruginosa</i> AmpR plays a role in transient cross-resistance to β-lactams and non-β-lactams upon preexposure to subinhibitory concentrations of antibiotics. <i>Journal of Medical Microbiology</i> Apr; 63(Pt 4):544-55 Jan 25. doi: 10.1099/jmm.0.070185-0.]
12	Sp '07 – Sp '13	<p>Deepak Balasubramanian, PhD (Biological Sciences) Title: Characterizing the AmpR regulon</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ S. Dhar, H. Kumari, D. Balasubramanian, and K. Mathee. (2018). Cell-wall recycling and synthesis in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> — their role in the development of resistance. <i>Journal of Medical Microbiology</i> 67(1):1-21. doi: 10.1099/jmm.0.000636. Epub 2017 Nov 29. Review. ➤ H. Kumari, D. Balasubramanian, and K. Mathee (2016) Role of small RNAs in <i>Pseudomonas aeruginosa</i> virulence and adaptation, p 383-392 Invited Book Chapter. Stress and Environmental Regulation of Gene Expression and Adaptation in

		<p>Bacteria, 2 Volume Set Editor, F. de Bruijn ISBN: 978-1-119-00488-2 1472 pages. Wiley-Blackwell</p> <ul style="list-style-type: none"> ➤ H. Kumari, D. Balasubramanian, and K. Mathee. (2015) <i>Pseudomonas aeruginosa</i> AmpR: An acute-chronic switch regulator. <i>Pathogens and Diseases</i>, Mar;73(2):1-14. doi: 10.1111/2049-632X.12208. Epub 2015 Feb 26. ➤ O. Caille*, D. Zincke*, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory and K. Mathee. (2014). Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Sep 2. pii: JB.01997-14. [* - Contributed equally] ➤ H. Kumari*, D. Balasubramanian*, and K. Mathee. (2014). <i>Pseudomonas aeruginosa</i> AmpR: An acute-chronic switch regulator. <i>FEMS: Pathogens and Diseases</i>, In press [* - Contributed equally] ➤ H. Kumari, D. Balasubramanian, D. Zincke and K. Mathee. (2014). <i>Pseudomonas aeruginosa</i> AmpR plays a role in transient cross-resistance to β-lactams and non-β-lactams upon preexposure to subinhibitory concentrations of antibiotics. <i>Journal of Medical Microbiology</i> Apr; 63(Pt 4):544-55 Jan 25. doi: 10.1099/jmm.0.070185-0.] ➤ H. Kumari*, S.K. Murugapiran*, L. Schneper, D. Balasubramanian, M. Merighi, D. Sarracino, S. Lory, and K. Mathee. (2014). LTQ-XL mass spectrometry proteome analysis expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include cyclic di-GMP phosphodiesterases and phosphoproteins, and identifies novel open reading frames. <i>Journal of Proteome Research</i> Jan 16; 96:328-42. doi: 10.1016/j.jprot.2013.11.018. [*- Contributed equally] ➤ D. Balasubramanian, H. Kumari, K. Turner, S. Dove, M. Fernandez, G. Narasimhan and K. Mathee. (2014). Deep sequencing analyses expands the <i>Pseudomonas aeruginosa</i> AmpR regulon to include small RNA-mediated regulation of iron acquisition, heat-shock and the oxidative stress response. <i>Nucleic Acids Research</i> 42(2):979-98 doi: 10.1093/nar/gkt942. ➤ D. Balasubramanian, L. Schneper, H. Kumari and K. Mathee. (2013). A dynamic and intricate regulatory network determines <i>Pseudomonas aeruginosa</i> virulence <i>Nucleic Acids Research</i> <i>Nucleic Acids Research</i> 41(1):1-20. ➤ D. Balasubramanian, S.K. Murugapiran, E. Silva-Herzog, L. Schenper, X. Yang, G. Tatke, G. Narasimhan and K. Mathee. (2013) Transcriptional regulatory network in <i>Pseudomonas aeruginosa</i>. In <i>Bacterial Gene Regulation</i>. By M. Babu (Ed). Horizon Press. ➤ D. Balasubramanian, L. Schneper, M. Merighi, R. Smith, G. Narasimhan, S. Lory, and K. Mathee. (2012). The regulatory repertoire of <i>Pseudomonas aeruginosa</i> AmpC β-lactamase regulator AmpR includes virulence genes. <i>PLoS One</i> 7(3): e34067. ➤ D. Balasubramanian*, K.F. Kong*, S. Jayawardena, S. Leal, R. Sautter, and K. Mathee. (2011). Coregulation of β-lactam resistance, alginate production, and quorum sensing in <i>Pseudomonas aeruginosa</i>. <i>Journal of Medical Microbiology</i> 60:147-156. [*Contributed equally]. ➤ D. Balasubramanian, and K. Mathee. (2009). Comparative transcriptome analyses of <i>Pseudomonas aeruginosa</i>. <i>Human Genomics</i> 3(4):349-361.
11	Sp '06 - Sp '10	<p>Melissa Doud, PhD (Biological Sciences) Title: Microbial profiling of cystic fibrosis sputum Postdoctoral Fellow, USAID Publications</p> <ul style="list-style-type: none"> ➤ D. Balachandar, M.S. Doud, L. Schneper, D.E. Mills, and K. Mathee. (2013) Long-term organic nutrient management fosters the eubacterial community diversity in the Indian semi-arid alfisol as revealed by length heterogeneity-PCR. <i>Communications in Soil Science and Plant Analysis</i>. 45:189-203. DOI:10.1080/00103624.2013.841919. ➤ M.S. Doud, M. Light, G. Gonzalez, G. Narsimhan, and K. Mathee. (2010) Combination of 16S rRNA variable regions provides a detailed analysis of bacterial community dynamics in the lungs of cystic fibrosis patients. <i>Human Genomics</i> 4(3):147-169. ➤ S. Cardenas, M. Scuri, L. Samsell, B. Ducatman, P. Bejarano, A. Avais, M. Doud, K. Mathee, and G. Piedimonte. (2010). Neurotropic and neuroimmune responses to early-life <i>Pseudomonas aeruginosa</i> infection in rat lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> 299(3): L334-44.

		<ul style="list-style-type: none"> ➤ M.S. Doud, R. Grimes-Zeppegno, E. Molina, N. Miller, D. Balachandar, L. Schneper, R. Poppiti, and K. Mathee. (2009) A k2A-positive <i>Klebsiella pneumoniae</i> causes liver and brain abscess in a Saint Kitt's man. <i>International Journal of Medical Sciences</i> 6(6):301-304. ➤ M. Doud, E. Zeng, L. Schneper, G. Narasimhan, K. Mathee. (2009). Approaches to analyzing dynamic microbial communities such as those seen in cystic fibrosis lung. <i>Human Genomics</i> 3(3):246-256. ➤ G. Gonzalez, M. Doud, K. Mathee and G. Narasimhan. (2009) Computer-assisted bacterial identification using 16S rRNA sequence data. <i>Book series: FMBE Proceedings</i> 24:239-249. ➤ S. Roy S, H. Vedala, A.D. Roy, D.H. Kim, M. Doud, K. Mathee, H.K. Shin, N. Shimamoto, V. Prasad and W. Choi. (2008). Direct electrical measurements on single-molecule genomic DNA using single-walled carbon nanotubes. <i>Nano Letters</i> 8(1):26-30. ➤ K. Mathee, G. Narasimhan, C. Valdes, X. Qiu, J. M. Matewish, M. Koehrsen, A. Rokas, C. N. Yandava, R. Engels, E. Zeng, R. Olavarietta, M. Doud, R. Smith, P. Montgomery, J. White, P. A. Godfrey, C. Kodira, B. Birren, J. Galagan and S. Lory. (2008). Dynamics of <i>Pseudomonas aeruginosa</i> genome evolution. <i>Proceedings of National Academy of Sciences USA</i> 105:3100-3105. ➤ H. Vedala, D.H. Kim, M. Doud, K. Mathee, and W. Choi. (2008). Effect of environmental factors on electrical conductivity of single oligo-DNA molecule measured using single-walled carbon nanotube nanoelectrodes. <i>Nanotechnology</i> 19:1-6 (265704)
10	Sp '04 – Sp '08	<p>Allison Adonizio, PhD (Biological Sciences) Title: Identification of quorum sensing inhibitors in South Florida medicinal plants Postdoctoral Fellow, Fred Ausubel's Lab, Harvard Medical School. Research Analyst</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ A. L. Adonizio, K. Downum, B. C. Bennett, and K. Mathee. (2006). Anti-quorum sensing activity of medicinal plants in southern Florida. <i>Journal of Ethnopharmacology</i> 105:427-35. ➤ A. L. Adonizio, K.F. Kong, and K. Mathee. Inhibition of quorum sensing-controlled virulence factor production in <i>Pseudomonas aeruginosa</i> by South Florida plant extracts. <i>Antimicrobial Agents and Chemotherapy</i> 52:198-203 ➤ A. L. Adonizio, S. Leal, F. Ausubel, and K. Mathee. Attenuation of <i>Pseudomonas aeruginosa</i> virulence by medicinal plants in a <i>Caenorhabditis elegans</i> model system. <i>Journal of Medical Microbiology</i> 57:809-813 ➤ Patent: Ellagitannins as inhibitors of bacterial quorum sensing. Patent application has been filed by FIU. Serial No: 61/036,812. Involved K. Mathee, A. L. Adonizio, F. Ausubel, J. Clardy, B. Bennett & K. Downum
9	Fall '01 – Fall '05	<p>Kok-Fai Kong, PhD (Biological Sciences) Title: Characterization of <i>amp</i> genes involved in β-lactamase expression</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ O. Caille, D. Zincke, M. Merighi, D. Balasubramanian, H. Kumari, K-F. Kong, E. Silva-Herzog, G. Narasimhan, L. Schneper, S. Lory and K. Mathee. (2014). Structural and functional characterization of <i>Pseudomonas aeruginosa</i> global regulator AmpR. <i>Journal of Bacteriology</i> Sep 2. pii: JB.01997-14. ➤ D. Balasubramanian*, K.F. Kong*, S. Jayawardena, S. Leal, R. Sautter, and K. Mathee. (2011). Coregulation of β-lactam resistance, alginate production, and quorum sensing in <i>Pseudomonas aeruginosa</i>. <i>Journal of Medical Microbiology</i> 60:147-156. [*Contributed equally] <i>Featured in MDLinx web site (www.MDLinx.com)</i>. ➤ K.F. Kong, A. Aguila, L. Schneper, and K. Mathee. (2010). <i>Pseudomonas aeruginosa</i> β-lactamase induction requires two permeases, AmpG and AmpP. <i>BMC Microbiology</i> 10:328-343. ➤ Z. Song, K.F Kong, H. Wu, N. Maricic, B. Ramalingam, H. Priestap, J.M.E. Quirke, N. Høiby, L. Schneper and K. Mathee. (2010). <i>Panax ginseng</i> has anti-infective activity against opportunistic pathogen <i>Pseudomonas aeruginosa</i> by inhibiting quorum sensing, a bacterial communication process critical for establishing infection. <i>Phytomedicine</i> 17(13):1040-1046.

		<ul style="list-style-type: none"> ➤ K. F. Kong, L. Schneper, and K. Mathee. (2010). Beta-lactam antibiotics: from antibiosis to resistance and bacteriology. Review. <i>Acta Pathologica, Microbiologica, et Immunologica Scandinavica</i> 118(1):1-36. ➤ A. L. Adonizio, K.F. Kong, and K. Mathee. (2008). Inhibition of quorum sensing-controlled virulence factor production in <i>Pseudomonas aeruginosa</i> by South Florida plant extracts. <i>Antimicrobial Agents and Chemotherapy</i> 52:198-203. ➤ K.F. Kong, S.R. Jayawardena, A. Del Puerto, L. Wiehlmann, U. Laabs, B. Tummler, and K. Mathee. (2005) Characterization of <i>poxB</i>, a chromosomal-encoded <i>Pseudomonas aeruginosa</i> oxacillinase. <i>Gene</i> 358:82-92 ➤ K.F. Kong, S.R. Jayawardena, S. D. Indulkar, A. del Puerto, C-L. Koh, N. Høiby, and K. Mathee. (2005) <i>Pseudomonas aeruginosa</i> AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB b-lactamases, proteases, quorum sensing and other virulence factors. <i>Antimicrobial Agents and Chemotherapy</i> 49:4567-75. <ul style="list-style-type: none"> • Article selected for Journal Highlights in the ASM News December issue. A monthly issue that highlights one article per journal that describes new and exciting developments in microbial research. ➤ Z. Song, H. Wu, O. Ciofu, K.F. Kong, N. Høiby, J. Rygaard, A. Kharazmi, K. Mathee. (2003). <i>Pseudomonas aeruginosa</i> alginate is refractory to Th1 immune response and impedes host immune clearance in a mouse model of acute lung infection. <i>Journal of Medical Microbiology</i> 52:731-40. <p>Postdoctoral Associate, Yale School of Medicine, New Haven, CT. 2005-08; Senior Scientist, Burnham Institute, San Diego, CA (2008-Present)</p>
8	Fall '03 – Sp '09	<p>Todd M. Crandall, MS (Forensic Science) Title: Discrimination of soils by amplicon length heterogeneity (ALH)-PCR generated bacterial community profiles; a novel application for the forensic examination of soil. Department of Forensic Science, Virginia State Government</p>
7	Sp '05 – Sp '07	<p>Lance Umansky, MS (Biomedical Engineering) Title: Development of species-specific probe for <i>Bacillus anthracis</i> In Telemarketing</p>
6	Fall '03 – Sp '06	<p>Melissa Doud, MS (Forensic Science) Title: The role of amplicon length heterogeneity – Polymerase Chain Reaction in microbial community profiling and presumptive testing of bioagents Ph.D. Student, Department of Biological Sciences, FIU, Miami, FL.</p>
5	Fall '03 – Fall '05	<p>Lillana Moreno, MS (Forensic Science) Title: Molecular and chemical characterization of three Miami-Dade soil types for forensic comparison Publication:</p> <ul style="list-style-type: none"> ➤ L.I. Moreno, D. K. Mills, J. Entry, R.T. Sautter, and K. Mathee. (2006). Microbial metagenome profiling using Amplicon Length Heterogeneity-Polymerase Chain Reaction (ALH-PCR) proves more effective than elemental analysis in discriminating soil specimens. <i>Journal of Forensic Science</i> 51:1315-1322. <p>Technician, DNA Fingerprinting Facility, FIU, Miami, FL. PhD in Chemistry – 2009; FBI Office, Arlington, DC – 2009</p>
4	Fall '02 – Fall '05	<p>Robert Todd Sautter, MS (Biological Sciences) Title: Molecular mechanism responsible for mucoid to nonmucoid conversion in <i>Pseudomonas aeruginosa</i> Publications</p> <ul style="list-style-type: none"> ➤ C. Delgado*, L. Florez*, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S. [*- Contributed equally]

		<ul style="list-style-type: none"> ➤ R. Sautter, D. Ramos, L. Schneper, O. Ciofu, T. Wassermann, C.L. Koh, A. Heydorn, M. Hentzer, N. Hoiby, A. Kharazmi, S. Molin, C.A. DeVries, D.E. Ohman, and K. Mathee. (2012). A complex multilevel attack on <i>Pseudomonas aeruginosa</i> algT/U expression and AlgT/U activity results in the loss of alginate production. <i>Gene</i> 498(2):242-53. ➤ D. Balasubramanian, K.F. Kong, S. Jayawardena, S. Leal, R. Sautter, and K. Mathee. (2011). Coregulation of β-lactam resistance, alginate production, and quorum sensing in <i>Pseudomonas aeruginosa</i>. <i>Journal of Medical Microbiology</i> 60:147-156. <i>Featured in MDLinx web site (www.MDLinx.com)</i>. ➤ Ll. Moreno, D.K. Mills, J. Entry, RT Sautter, and K. Mathee. (2006). Microbial metagenome profiling using Amplicon Length Heterogeneity-Polymerase Chain Reaction (ALH-PCR) proves more effective than elemental analysis in discriminating soil specimens. <i>Journal of Forensic Science</i> 51:1315-1322. <p>Technician, United States Department of Agriculture (USDA), FL; MD from Ross</p>
3	Fall '02 – Sum '04	<p>Sheria King, MS (Forensic Science) Title: Investigation of <i>gyrB</i> as a potential forensic microbial molecular marker Publication</p> <ul style="list-style-type: none"> ➤ S.Z. Miller, S. King, and K. Mathee. (2006). Forensic DNA analysis: An overview of human DNA analysis. <i>International Journal of Forensic Science (Revista de Ciencias Forenses)</i> 1:31-38. <p>Forensic Manager, Bahamas Police Force, Nassau, Bahamas.</p>
2	Fall '01 – Fall '03	<p>Sasha Zinzila Miller, MS (Forensic Science) Title: Develop a novel molecular diagnostic tool to track bacterial infection in cystic fibrosis sputum using 16S rRNA Publication</p> <ul style="list-style-type: none"> ➤ S.Z. Miller, S. King, and K. Mathee. (2006). Forensic DNA analysis: An overview of human DNA analysis. <i>International Journal of Forensic Science (Revista de Ciencias Forenses)</i> 1:31-38. <p>Consultant, Forensic DNA Analysis, Barbados.</p>
1	Sp '01 – Sp '03	<p>Andres Plata Stapper (Biological Sciences) Title: Role of exopolysacchride alginate in <i>Pseudomonas aeruginosa</i> biofilm formation associated with cystic fibrosis Publication</p> <ul style="list-style-type: none"> ➤ A.P. Stapper, G. Narasimhan, D.E. Ohman, J. Barakat, M. Hentzer, S. Molin, A. Kharazmi, N. Høiby, K. Mathee. Alginate production affects <i>Pseudomonas aeruginosa</i> biofilm development and architecture, but is not essential for biofilm formation. <i>Journal of Medical Microbiology</i> 53:679-690. <p><i>Highlight: Became one of the 50-most-frequently read articles, at one point ranking number 5.</i></p> <p>PhD Student, Florida State University, Tallahassee, FL; Postdoc- Stanford</p>
Graduate Students – Coadvised		
3	'10 – '11	Javed Ali (Co-advised) (M. Biostatistics)
2	Sp '01 – Sp '04	<p>Ramakrishna Ruthala (Co-advised) MS (Environmental Science) Title: Distribution and biogeochemical importance of bacterial population in the Everglades Tree Islands. Major Advisor: Dr. Krishnaswamy Jayachandran Technician</p>
1	96-97	<p>Yuan Gao (Coadvised) MS '97, PhD '99 Title: Detection of helix-turn-helix motifs in protein Major Advisor: Dr. Giri Narasimhan, U of Memphis Postdoctoral fellow, Harvard Medical School, Boston. Assistant Professor, Virginia Commonwealth University, Richmond. Associate Professor, Johns Hopkins Medical School, Baltimore Publications:</p>

		<ul style="list-style-type: none"> ➤ G. Narasimhan, C. Bu, Y. Gao, X. Wang, N. Xu, K. Mathee. (2002) Mining protein sequences for motifs. <i>Journal of Computational Biology</i> 9:707-720. ➤ Y. Gao, K. Mathee, G. Narasimhan, X. Wang. (1999). Motif Detection in Protein Sequences. <i>Proceedings of SPIRE'99</i>, Cancun, Mexico. p 63-72.
--	--	--

Graduate Students – Those Moved on

10	Sp '15 – Sum '17	<p>Kyle Martins PhD (Biomedical Sciences) (Rotation Spring 2015); Joined the lab Summer 2015.</p> <p>Title: Characterization of <i>Pseudomonas aeruginosa</i> AlgO in alginate production.</p> <p>Publication</p> <ul style="list-style-type: none"> ➤ S. Pandey, K. Martins, and K. Mathee. (2016) Posttranslational regulation of antisigma factors of RpoE: a comparison between the <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> systems, p361-5. Invited Book Chapter. Stress and Environmental Regulation of Gene Expression and Adaptation in Bacteria, 2 Volume Set Editor, F. de Bruijn ISBN: 978-1-119-00488-2 1472 pages. Wiley-Blackwell
9	Fall '16 – Sp '17	Mairyn Piloto (PhD, Biomedical Sciences)
8	15 – 16	Alnecia Rumps (PhD, Public Health)
7	07 – 08	Varinderpal Pannu (PhD, Biological Sciences)
6		Elizabeth LeBlanc (PhD, Biochemistry)
4	Fall '00	Jessica Hyacinth (PhD, Biological Sciences)
3	02 – 03	<p>Shalaka Indulkar (PhD, Biological Sciences)</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ K.F. Kong, S.R. Jayawardena, S. D. Indulkar, A. del Puerto, C-L. Koh, N. Høiby, and K. Mathee. (2005) <i>Pseudomonas aeruginosa</i> AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB b-lactamases, proteases, quorum sensing and other virulence factors. <i>Antimicrobial Agents and Chemotherapy</i> 49:4567-75.
2	Fall '00	Johnny Barakat (PhD, Biological Sciences)
1	Fall '00 - 02	<p>Suriya Jayawardena (MS, Biological Sciences)</p> <p>Publications</p> <ul style="list-style-type: none"> ➤ D. Balasubramanian*, K.F. Kong*, S. Jayawardena, S. Leal, R. Sautter, and K. Mathee. (2011). Coregulation of β-lactam resistance, alginate production, and quorum sensing in <i>Pseudomonas aeruginosa</i>. <i>Journal of Medical Microbiology</i> 60:147-156. [*Contributed equally] <i>Featured in MDLinx web site (www.MDLinx.com)</i>. ➤ K.F. Kong, S.R. Jayawardena, A. Del Puerto, L. Wiehlmann, U. Laabs, B. Tummler, and K. Mathee. (2005) Characterization of <i>poxB</i>, a chromosomal-encoded <i>Pseudomonas aeruginosa</i> oxacillinase. <i>Gene</i> 358:82-92 ➤ K.F. Kong, S.R. Jayawardena, S. D. Indulkar, A. del Puerto, C-L. Koh, N. Høiby, and K. Mathee. (2005) <i>Pseudomonas aeruginosa</i> AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB b-lactamases, proteases, quorum sensing and other virulence factors. <i>Antimicrobial Agents and Chemotherapy</i> 49:4567-75.

Undergraduate Students with Theses

21	Sp'15 – Sp'18	<p>Brett Colbert, BS Honors (Biology)</p> <p>Title: Identification of alginate-regulating genes in the clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192</p> <p>Publication</p> <ul style="list-style-type: none"> ➤ B. Colbert, H. Kumari, A. Pinon, L. Frey, S. Pandey, and K. Mathee. (2018). Alginate-regulating genes are identified in the clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192. <i>bioRxiv</i> 319004; doi: https://doi.org/10.1101/319004
----	------------------	--

20	Fall'13 – Sp '17	Sameer Shaikh, BS Honors (Biology) Title: Comparative genomic analysis
19	Sp'11 – Sp '14	Liana Angeli N. Apolis BS (Biology) (QBIC Scholar) Title: To determine synergy between antibiotics and <i>Bucida buceras</i> medicinal plant extract NIH in Fall 2014; Medical Student, Florida State University Medical School – started in 2017
18	Sp'11 – Sp '14	Ivonne Valentina Lollett BS (Biology) Title: To characterize the role of proteases in alginate gene regulation. Publication ➤ C. Delgado*, L. Florez*, I. Lollett , C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S. [*- Contributed equally] MD'18 — University of Miami Miller School of Medicine
17	Fall '10 –Sp '12	Lourdes Ramirez BS (Biology) Title: To characterize <i>pox</i> promoter involved in antibiotic resistance Started at University of Central Florida Medical School in Fall 2013 ➤ G. Tatke, H. Kumari, E. Silva-Herzog, L. Ramirez , and K. Mathee. (2015). <i>Pseudomonas aeruginosa</i> MifS-MifR two competent system is specific for α -ketoglutarate utilization. <i>PLOS One</i> Jun 26;10(6):e0129629. doi: 10.1371/journal.pone.0129629. MD'18 — Florida Atlantic University; Resident, Washington DC
16	Sp '09 – Fall '11	Laura Florez, BS (Biology) Title: To map novel genes involved in alginate production ➤ C. Delgado*, L. Florez* , I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper , RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S. [*- Contributed equally] ➤ S. Pandey, C. Delgado, L. Florez , H. Kumari, and K. Mathee. (2018) Outer membrane protein LptD (PA0595) plays a role in the regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i> . <i>Journal of Medical Microbiology</i> doi: 10.1099/jmm.0.000752. PMID: 29923820. MD'17 — Herbert Wertheim College of Medicine: Resident at Jackson Memorial
15	Sp '10 – Sp '11	Genesis Perez, BS (Biology) Title: To characterize a putative iron-regulated gene in <i>Pseudomonas aeruginosa</i>
14	Sp '08 – Fall '10	Camila Ceballos Delgado, BS (Biomedical Engineering) Title: To map novel genes involved in alginate production ➤ C. Delgado* , L. Florez*, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper , RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S. [*- Contributed equally] ➤ S. Pandey, C. Delgado , L. Florez, H. Kumari, and K. Mathee. (2018) Outer membrane protein LptD (PA0595) plays a role in the regulation of alginate synthesis in <i>Pseudomonas aeruginosa</i> . <i>Journal of Medical Microbiology</i> doi: 10.1099/jmm.0.000752. PMID: 29923820. Lab Manager in Mathee Lab MD-PhD Student at NYU
13	Sum '08 –Spr 2010	Christian Villaseca, BS Honors (Biology) Title: Characterization of ginseng component responsible for anti-quorum sensing activity

		Started in Herbert Wertheim College of Medicine
12	Sum '07 – Spr '09	Raphael Bosse, BS Biomedical Honors (Biology) Title: Role of IclR-type regulator PA4157 in β -lactam resistance in <i>Pseudomonas aeruginosa</i> MD-PhD (2017), University of Florida Medical School. Resident Physician, U of Florida Shands Hospital, Gainesville
11	Fall '07 – Spr '08	Nabil Abou Baker, BS Biomedical Honors (Biology) Title: Presumptive identification of the fungal communities in cystic fibrosis patients' sputum using amplicon length heterogeneity polymerase chain reaction Michigan State University Medical School - Graduated Spring 2013. Residency at Rutgers. Assistant Professor, Department of Medicine, University of Chicago (2018-)
10	Fall '05 – Spr '08	Natalie Maricic, BS Honors (Biology) Title: Investigating an alternative treatment to cystic fibrosis: testing the effect of <i>Panax ginseng</i> C.A. Meyer extracts on <i>Pseudomonas aeruginosa</i> <ul style="list-style-type: none"> ➤ V.L.A. Malladi, A.J. Sobczak, N. Maricic, S.K. Murugapiran, L. Schneper, J. Makemson, K. Mathee and S. Wnuk. (2011) Substituted lactam and cyclic azahemiacetals modulate <i>Pseudomonas aeruginosa</i> quorum sensing. <i>BMC Bioorganic and Medicinal Chemistry</i>. EPub July 28. ➤ Z. Song, K.F Kong, H. Wu, N. Maricic, B. Ramalingam, H. Priestap, J.M.E. Quirke, N. Høiby, L. Schneper and K. Mathee. (2010). <i>Panax ginseng</i> has anti-infective activity against opportunistic pathogen <i>Pseudomonas aeruginosa</i> by inhibiting quorum sensing, a bacterial communication process critical for establishing infection. <i>Phytomedicine</i> 17(13):1040-1046. Lab Manager, Mathee Lab; PhD, University of Michigan (2017); Postdoc, University of Florida (2017 -)
9	Spr '05 – Spr '06	Krystal R. Anson Spenta Title: Development of mold remediation tools Clinical Coordinator, Penn State University; Technical document Operation Specialist, Merck (2012); Clinical Project Coordinator, Theradex (2012-14); Clinical Project Manager, Theradex (2014); Sr Clinical Research Project Manage, MicroVention Terumo, (2014-17); Clinical Trial Manager, Allergan, Orange County, CA (2017 -)
8	Fall '04 – Spr '06	Sixto Manuel Leal, BS Honors (Biology) Title: Role of <i>Pseudomonas aeruginosa</i> L-serine deaminase in virulence <ul style="list-style-type: none"> ➤ D. Balasubramanian, K.F. Kong, S. Jayawardena, S. Leal, R. Sautter, and K. Mathee. (2011). Coregulation of β-lactam resistance, alginate production, and quorum sensing in <i>Pseudomonas aeruginosa</i>. <i>Journal of Medical Microbiology</i> 60:147-156. ➤ A. Adonizio, S. Leal, F. Ausubel, and K. Mathee. (2008). Attenuation of <i>Pseudomonas aeruginosa</i> virulence by medicinal plants in a <i>Caenorhabditis elegans</i> model system. <i>Journal of Medical Microbiology</i> 57:809-813 Lab Manager, Mathee Lab; MD-PhD Case Western; Graduated Spring 2013 Assistant Professor, University of Alabama Medical School, Department of Pathology, Birmingham (2018 -)
7	Fall '03 – Spr '06	Sergio Ernesto Luna, BS Honors (Biology) Title: Mapping <i>Pseudomonas aeruginosa amp</i> gene transcripts Joined Albert Einstein in the MD-PhD program. Opted for MD only; Graduated Spring 2000; Resident University of Illinois College of Medicine at Chicago
6	Sum '04 – Fall '06	Raquel Olavarietta, BS Honors (Biology) [Raquel Aguerre] Title: Role of AmpR in biofilm <i>Pseudomonas aeruginosa</i> biofilm antibiotic resistance Florida State University Medical School – Graduated Spring 2013 Residency in Miami Children's Hospital. Internal Medicine, North Shore University Health System (2013 -)
5	Sp '04	Aditi U. Gurkar, BS Honors (Biology)

	– Fall '05	Title: Phage therapy against <i>Pseudomonas aeruginosa</i> biofilm PhD Boston University; Post-doctoral Fellow, Harvard University; Post Doctoral Fellow at Scripps, Florida. Assistant Professor, Department of Medicine, University of Pittsburgh (2017 -)
4	Fall '01 – Sp '03	Alian Aguila, BS Honors (Biology) Title: Topology analysis of <i>Pseudomonas aeruginosa</i> AmpG permease. ➤ K.F. Kong, A. Aguila , L. Schneper, and K. Mathee. (2010) <i>Pseudomonas aeruginosa</i> β -lactamase induction requires two permeases, AmpG and AmpP. <i>BMC Microbiology</i> 10:328-343. MD from University of Miami; Cardiology fellowship, University of Florida College of Medicine-Jacksonville; Internal Medicine, Rochester. Cardiologist, Baptist Health System. Hollywood, Fl
3	Fall '01 – Sp '03	Maria Raquel Weaver, BS (Biology) Title: To determine the relationship between alginate production and quorum sensing molecules in <i>Pseudomonas aeruginosa</i> Graduate of University of Texas Southwestern; Medical Graduate; Residency in Internal Medicine in UT Southwestern. Practicing in Frisco, Texas
2	Fall '01 – Sp '02	Analisa Cumberbach, BS Honors (Biology) [de Coteau] (Jointly advised with Dr. Jim Fourqurean) Title: Characterization of anti-bacterial compounds made by Miami marine algae MD University of West Indies, Physician, Trinidad-Tobago
1	Sum '01 – Fall '02	Damaris Ramos, BS Honors (Biology) [Sabater] Title: Molecular mechanism responsible for mucoid to nonmucoid conversion in <i>Pseudomonas aeruginosa</i> Publications ➤ R. Sautter, D. Ramos , O. Ciofu, A. Heydorn, N. Hoiby, A. Kharazmi, C. DeVries, D.E. Ohman, L. Schneper, and K. Mathee. (2012). A complex multilevel attack on <i>Pseudomonas aeruginosa</i> <i>algT/U</i> expression and AlgT/U activity results in the loss of alginate production. <i>Gene</i> 498(2):242-53 ➤ D. Ramos , A. Heydorn, C. Koh, K. Mathee. (2003). Loss of alginate production in mucoid <i>Pseudomonas aeruginosa</i> occurs via deregulation of the alternative sigma factor AlgT. <i>Proceedings of the National Conference on Undergraduate Research (NCUR)</i> . p1-9 (9 pages). Only 14% of the works are selected for peer-review publication. Practicing Chiropractor in Miami
Undergraduate Students – without theses		
27	Fall '16 – Sp '18	Ana Pinon (QBIC Scholar) Title: Secondary screening of compounds for <i>Pseudomonas aeruginosa</i> AmpR-specific inhibitors. Publication ➤ B. Colbert, H. Kumari, A. Pinon , L. Frey, S. Pandey, and K. Mathee. (2018). Alginate-regulating genes are identified in the clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192. <i>bioRxiv</i> 319004; doi: https://doi.org/10.1101/319004 Medical School, Florida International University
26	Fall '16 – Sum '17	Haroldo Rodriuez (QBIC Scholar) Title: Say no to OCTA Graduate School, University of Washington
25	8/16 – Fall '17	Maria Victoria Lorenzo, Biological Sciences, RISE Scholar Medical School, University of Middle Michigan
24	1/16 – 10/17	Hugo Duenas, Biological Sciences
23	14 – 16	Lior Frey, Biological Sciences, RISE Scholar Publication

		<ul style="list-style-type: none"> B. Colbert, H. Kumari, A. Pinon, L. Frey, S. Pandey, and K. Mathee. (2018). Alginate-regulating genes are identified in the clinical cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> PA2192. <i>bioRxiv</i> 319004; doi: https://doi.org/10.1101/319004
22		Kevin Morales <i>Medical School, Puerto Rico</i>
21		Ricardo Obando <i>Dental school, University of Florida</i>
20		Sara Martinez , Biological Sciences
19		Alexandra Hassan , Biological Sciences
18		Ashley Wardlow , Biological Sciences, RISE Scholar
17		Fernando Valverde
16	1/10 – 12/10	Gina Furicchia , Biological Sciences
15	1/09 – 12/10	Katherine Vandenberg , Biomedical Engineering, RISE Scholar <ul style="list-style-type: none"> C.Z. Li, K. Vandenberg, S. Prabhulkar, X. Zhu, L. Schneper, K. Mathee, C.J. Rosser, and E. Almeida. Paper based point-of-care testing disc for multiplex whole cell bacteria analysis. <i>Biosensors and Bioelectronics</i> 26:4342-8. MD '17 —Herbert Wertheim College of Medicine; Resident, Department of Surgery, University of New Mexico
14	4/09 – 12/10	Jaison George , Biomedical Engineering Staff, School of Electrical and Computer Engineering, Georgia Tech, Atlanta
13	1/08 – 8/08	Laura Fajardo , Biomedical Engineering, RISE Scholar MBA, Yale School of Management (2019); Intern, Bloom Energy, San Francisco
12	8/06 – 4/07	Carolina Veronese MD – Harvard Medical School; Emergency Medicine Resident, University of North Carolina School of Medicine
11	4/05 – 8/07	Mario Sosa Program Assistant with HWCOM
10	1/04 – 9/04	Robert James Smiddy Deceased Publication <ul style="list-style-type: none"> C. Delgado*, L. Florez*, I. Lollett, C. Lopez, S. Kangeyan, D. Smith, H. Kumari, M. Stylianou, RJ. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885. [*- Contributed equally]
9	1/03 – 4/04	Aimee del Puerto Publications <ul style="list-style-type: none"> K.F. Kong, S.R. Jayawardena, A. del Puerto, L. Wiehlmann, U. Laabs, B. Tummler, and K. Mathee. Characterization of <i>poxB</i>, a chromosomal-encoded <i>Pseudomonas aeruginosa</i> oxacillinase. <i>Gene</i> 358:82-92 K.F. Kong, S.R. Jayawardena, S. D. Indulkar, A. del Puerto, C-L. Koh, N. Høiby, and K. Mathee. <i>Pseudomonas aeruginosa</i> AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB b-lactamases, proteases, quorum sensing and other virulence factors. <i>Antimicrobial Agents and Chemotherapy</i> 49:4567-75. Teacher, Comstock Elementary School, Miami
8	1/02 – 12/02	Carlos Cajina MD, Anesthesiologist, Boston Medical Center
7	Fall 01	Vidya Maharaj FLDOH-Miami-Dade County Epidemiologist

6	1/01 – 8/02	Rafael Martinez
5	8/00 – 8/02	Ziv Heims <i>Doctor of Osteopathy</i>
4	8/00 – 8/02	Kenia Dominguez <i>MD; Pediatric Emergency Medicine Physician in Coconut Grove, Florida</i>
3	Fall 00	George Hanna <i>Dentist</i>
2	8/00 – 12/02	Hernan Hernandez
1	8/00 – 12/01	Diana Guardia <i>MD</i>
Middle and High School Students		
19	Sum '18	Pedro Leon Reyes, Terra Environmental Research Institute
18	Sum '13	Constance Thurmond, John A. Ferguson Senior High
17	Sum '12, '13	Celine Murton, John A. Ferguson Senior High <i>Started at FIU in Fall 2014</i>
16	Sum '11	Kevin Montiel, Columbus High School <i>Title: Determine if clinical mucoid isolates have the same mutation as in lab isolates</i>
15	Sum '10, '11, '12	Rohan Batra, American Heritage School, Davie, FL <i>Title: Interrupting bacterial conversation with black olive (<i>Bucida buceras</i>)</i> <i>Caltech Undergraduate – started in Fall 2013</i>
14	Sum '10	Alexander Shahin, Archimedean Middle Conservatory, Miami <i>Title: To determine if clove extracts can rescue <i>C. elegans</i> from <i>Pseudomonas aeruginosa</i> infection</i>
13	Sum '09, '10, '11, '12	Shiva Kangeyan, Archimedean Middle Conservatory, Miami <i>Title: To better understand the genetics of <i>Pseudomonas aeruginosa</i> alginate production</i> <i>University of Chicago Undergraduate – started in Fall 2014</i> Publication ➤ C. Delgado*, L. Florez*, I. Lollett, C. Lopez, S. Kangeyan , D. Smith, H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S. [*- Contributed equally]
11	Sum '09	Jose Velis, Christopher Columbus High, Miami <i>Title: To determine antibacterial activities of nutrasilver</i>
10	Sum '09, 10	David Smith, Saint Thomas Aquinas High, Miami <i>Title: To better understand the genetics of <i>Pseudomonas aeruginosa</i> alginate production</i> <i>University of Pennsylvania Undergraduate, Biochemistry Major; Graduate student in Browns U</i> Publication ➤ C. Delgado*, L. Florez*, I. Lollett, C. Lopez, S. Kangeyan, D. Smith , H. Kumari, M. Stylianou, R.J. Smiddy, L. Schneper, RT. Sautter, G. Szatmari, and K. Mathee. (2018). <i>Pseudomonas aeruginosa</i> regulated intramembrane proteolysis (RIP): protease MucP can overcome mutations in the AlgO periplasmic protease to restore alginate production in nonmucoid revertants. <i>Journal of Bacteriology</i> JB.00215-18. doi: 10.1128/JB.00215-18. PMID:29784885S. [*- Contributed equally]

9	Sum '09	Alesy Iturrey, Miami Palmetto Senior High School, Miami Title: To determine antibacterial activities of nutrasilver <i>Dartmouth Undergraduate</i>
8	Sum '08, '09	Michael Rodriguez, Christopher Columbus High, Miami Title: Jamming bacterial communication <i>University of Miami – BS Medical School</i>
7	Sum '08	Rafael Ortiz and Michael Rodriguez, Christopher Columbus High, Miami Title: Jamming bacterial communication <i>MR – Medical School</i>
6	Sum '07	Peter Benavides, Christopher Columbus High, Miami
3 – 5	Sum '04	Three boys, Dwight, Danny, and Alfredo from Saint John Neumann Preparatory School
2	Fall '03 – Sp '04	Gary Rodriguez, Coral Park High School, Miami Mr. Rodriguez primary interest is in environmental science. He was certainly a trooper, learning and helping. In Summer '04, Mr. Rodriguez joined Dr. Joel Trexler's lab in FIU. <i>FIU Undergraduate</i>
1	Sum '03 & Sum '04	Carolina Cazales, Coral Park High School, Miami Ms. Cazales has been volunteering in my lab during her summer holidays. She has been learning about the how the lab is run. She has done the chemical and enzyme inventory and did a lab map indicating where every item has been placed.

Lab — Managers/Technician/OPS Students (• - Have been counted as students)

12		Zakari Abeyta , Federal Study Student
11		Laura Florez , Technician
10		Camila Ceballos , Lab Manager
9		Jennifer Narveaz , Federal Study Student
8	1/14 – 2/15	Jonathan Segal , Technician & OPS Staff
7	8/09 – 5/10	Rebecca Kharrazi , Program Assistant <i>Masters of Public Health in Epidemiology at Columbia University Mailman School of Public Health; Project Coordinator at Columbia University</i>
6	Fall 07 – 6/08	Mario Sosa , Lab Manager and Program Assistant (OPS)
5	4/06 – 8/06	Sixto Leal , Lab Manager
4		Horatio Priestap <i>Deceased</i>
3	6/05 – 7/08	Bharathi Ramalingam (June 2005 – July 2008) ➤ Z. Song, K.F Kong, H. Wu, N. Maricic, B. Ramalingam , H. Priestap, J.M.E. Quirke, N. Høiby, L. Schneper and K. Mathee. (2010). <i>Panax ginseng</i> has anti-infective activity against opportunistic pathogen <i>Pseudomonas aeruginosa</i> by inhibiting quorum sensing, a bacterial communication process critical for establishing infection. <i>Phytomedicine</i> 17(13):1040-1046. <i>PhD University of Sheffield</i>
2		Rajee Ramamurthy , Technician
1		Jaquiline Mayorga , Technician

Department Staff & Student Assistants (Did not include in Mentees Count)

7	3/15 – 8/15	Andreina Espina , Temporary Program Assistant
6	1/15 – 16	Elizabeth Prochet , Program Assistant
5		Grace Jutan , Program Assistant
4		Rebecca Luna , Program Assistant
3	9/09 – 4/10	Vignesh Duraiswamy , OPS Student
2	10/11 – 8/13	Heather Vasques , OPS Student
1	2/10 – 12/12	Astryd Rodriguez , OPS Student

2.12. Advisee Awards

Mini Grants and Research Fellowships

No	Name / Project Title	Dates	Amount
NIH-Biomedical Research Initiative			
1	Allison Adonizio (PhD candidate) Anti-quorum sensing agents from south Florida medicinal plants.	Summer 2005	\$3,000
2	Robert Sautter (MS candidate) Prc, a novel protease involved in alginate production.	Summer 2005	\$1500
3	Melissa Doud (PhD candidate) Detection of fungal organisms in the cystic fibrosis lung using amplicon length heterogeneity – polymerase chain reaction (LH-PCR)	Summer 2008	\$3000
4	Diansy Zincke (PhD student) Function of the <i>poxAB</i> operon in <i>Pseudomonas aeruginosa</i>	Summer 2008	\$3000
5	Diansy Zincke (PhD student) Regulation of the <i>poxAB</i> operon in <i>Pseudomonas aeruginosa</i>	Summer 2009	\$3000
6	Deepak Balasubramanian (PhD Candidate) Role of AmpR in <i>Pseudomonas aeruginosa</i> pathogenesis	Summer 2011	\$3,000
7	Liana Apolis (Undergraduate Student) To identify active anti-quorum-sensing compound in <i>Bacillus bucheri</i>	Summer 2012	\$2,000
8	Gorakh Tatke (PhD Student) Characterizing the role of MifSR two-component system proteins in regulating <i>Pseudomonas aeruginosa</i> metabolism"	Summer 2013	\$3,000
9	Gorakh Tatke (PhD Student) RNA-seq approach to characterize the role of MifSR two-component system proteins in regulating <i>Pseudomonas aeruginosa</i> pathogenesis	Summer 2014	\$2,944

10	Sundar Pandey (PhD Student)	Summer 2016	
11	Kyle Martins (PhD Student)	Summer 2016	
12	Supurna Dhar (PhD Student)	Summer 2017	
Cystic Fibrosis Foundation			
12	Allison Adonizio (PhD candidate) Anti-quorum sensing agents from south Florida medicinal plants and their potential to attenuate <i>P. aeruginosa</i> pathogenicity	Mar – May 2005	\$1,500
13	Allison Adonizio (PhD candidate) Identification of quorum sensing inhibitors of south Florida medicinal plants: an understudied aspect of efficacy.	Summer 2005	\$1500
14	Sixto Leal (Undergraduate) Role of <i>Pseudomonas aeruginosa sdaA</i> encoding L-serine deaminase in bacterial pathogenicity.	Jan – Sept 2005	\$1500
15	Kok-Fai Kong (PhD candidate) Role of <i>Pseudomonas aeruginosa</i> AmpG in β -lactam resistance.	July – Sept 2005	\$1500
16	Allison Adonizio (PhD candidate) Inhibition of quorum-sensing controlled virulence in <i>Pseudomonas aeruginosa</i> by southern Florida plant extracts.	April –Aug 2006	\$1500
17	Raquel Olavarrieta (Undergraduate) Regulatory circuitry of <i>Pseudomonas aeruginosa</i> β -lactam resistance	Aug – Dec 2006	\$1500
18	Melissa Doud (PhD candidate) Detection of fungal organisms in the cystic fibrosis lung using amplicon length heterogeneity – polymerase chain reaction (LH-PCR)	Fall 2008	\$1500
19	Diansy Zincke (PhD student) Determining the contribution of <i>poxAB</i> genes to β -lactam resistance	Fall 2008	\$1500
20	Raphael Bosse (Undergraduate) Role of <i>PA4157</i> encoding an IclR-type regulator in <i>Pseudomonas aeruginosa</i>	Jan – April 2009	\$1500
21	Deepak Balasubramanian (PhD student) Role of AmpR in <i>Pseudomonas aeruginosa</i> pathogenesis	Jan – April 2009	\$1500
22	Deepak Balasubramanian (PhD Candidate) Role of AmpR in <i>Pseudomonas aeruginosa</i> pathogenesis	Summer 2011	\$1500
FIU Eugene Pino Center Entrepreneurial Fellowship			
23	Melissa Doud (PhD candidate) Multiplex PCR for pathogen detection	Fall 2008	\$3000
FIU McNair Fellowship			
24	Krystal Anson (Undergraduate) Novel method to remediate mold	Sum 2005	\$5000
Fulbright Fellowships			
25	Chong-Lek Koh, PhD, Professor, Institute of Biological Sciences (Genetics), University of Malaya, Kuala Lumpur, Malaysia.	08/00 – 06/01	

26	Ciraj Mohammad, PhD, Professor of Microbiology, Manipal Medical College, India.	11/10 – 03/11
National Fellowships		
27	Balasubramanian Danajeyan, PhD, Associate Professor, Tamil Nadu Agricultural University, Coimbatore, India	12/07 – 6/08
28	Hanaa Mansour, PhD, Professor of Microbiology, Head of Measure Branch of Pharmacology Drug Control and Research, National Organization of Food Drug Control and Research (NCD CAR), Cairo, Egypt.	12/07 – 6/08
Dissertation Year Fellowship		
29	Deepak Balasubramanian, PhD (Biology)	Fall '12 – Sp '13
30	Gorakh Tatke, PhD (Biology)	Fall '15 – Sp '16
31	Supurna Dhar, PhD (Biomedical Sciences)	Fall '17 – Sum '18
FIU Presidential Fellowship for Graduate Students		
32	Sundar Pandey, PhD (Biology)	
NIH Graduate Partnerships Program		
33	Kok-Fai Kong, PhD (Biology)	
NIH-Minority Biomedical Research Initiative for Scientific Enhancement (RISE) – Graduates		
34	Robert T. Sautter, MS	
35	Allison Adonizio, PhD (Biology)	Sum '05 – Sp '08
36	Melissa Doud, PhD (Biology)	
37	Diansy Zincke, PhD (Biology)	Sp '08 – Sp '13
NIH-Minority Biomedical Research Initiative for Scientific Enhancement (RISE) – Undergraduates		
38	Damaris Ramos (Biology Major)	Sp '01 – Fall '02
39	Robert J. Smiddy (Biology Major)	Sp '04 – Fall '04
40	Camila Ceballos Delgado (Biomedical Engineering Major)	Sp '08 – Fall '10
41	Katherine Vandenberg (Biomedical Engineering Major)	Sum '09 – Fall '10
42	Lourdes Ramirez (Biology Major)	Fall '10 – Sp '12
43	Ricardo Obando (Biology Major)	Fall '14 – Sp '15
44	Kevin Morales (Biology Major)	Fall '14 – Sp '16
45	Marivictoria Lorenzo (Biology Major)	Fall '15 – Fall '17
46	Ana Pinon (Biology Major)	Fall '16 – Sp '18
NIH - Minority Access to Research Careers – Undergraduate Student Training for Academic Research (MARC-U*STAR)		
47	Alian Aguila (Biology Major)	Sp '02– Fall '03
48	Sergio Luna (Biology Major)	Sum '02 – Sp '05
49	Genesis Perez (Biology Major)	Sp '10 – Sp '11
50	Laura Florez (Biology Major)	Sp '09 – Fall '11
51	Katherine Vandenberg (Biomedical Engineering Major)	Sp '09 – Fall '10

52	Ivonne Valentina Lollett (Biology Major)	Sp '11 – Sp '14
53	Liana Apolis (Biology Major)	Sum '11 – Sp '14
54	Haroldo Rodriguez (Biology Major)	
NIH Post-Baccalaureate Intramural Research Training Award		
55	Alian Aguila, BS (Biology), NIH - National Cancer Institute	2002
56	Liana Apolis, BS (Biology), Intramural NIAID Research Opportunities (INTRO) Fellow	Fall 2014
Summer Internships for Undergraduate Students		
57	Damaris Ramos, ASM-MURC fellowship to Tufts University in Boston	Sum 2002
58	Alian Aguila (Biology Major), NIH - National Center for Complementary and Alternative Medicine Summer Internship	
59	Aditi Gurkar, Harvard Medical, Boston	Sum 2005
60	Nabil Abou Baker, BS Biomedical Honors (Biology), Vanderbilt University	Sum 2007
61	Raphael Bosse, BS Biomedical Honors (Biology), Johns Hopkins	Sum 2007
62	Nabil Abou Baker, BS Biomedical Honors (Biology), Vanderbilt University	Sum 2008
63	Raphael Bosse, BS Biomedical Honors (Biology), MIT	Sum 2008
64	Camila Ceballos, BS (Biomedical Engineering), Harvard Medical School	Sum 2009
65	Katherine Vandenberg, BS (Biomedical Engineering), Harvard Catalyst Clinical & Translational Research Science Center, Massachusetts General Hospital, Department of Radiology	Sum 2010
66	Genesis Perez, BS (Biology), University of Wisconsin-Madison	Sum 2011
67	Ivonne Valentina Lollett, BS (Biology), University of Virginia, Charlottesville	Sum 2012
68	Liana Apolis, BS (Biology), Emory University	Sum 2013
69	Brett Colbert (Biology), Columbia University	Sum 2017
McNair Fellowship for Undergraduates		
70	Natalie Maricic, BS (Biology Major)	Sum 2007
71	Laura Florez, BS (Biology Major)	Sum 2008
American Society for Microbiology Undergraduate Research Fellowship		
72	Sameer Shaikh, BS (Biology Major) — Featured at the ASM Website https://www.asm.org/index.php/education-blog/item/5204-how-one-undergraduate-got-hooked-on-clinical-research	2016 – 2017

Conference Awards		
No	Name, Conference	Year
Travel Awards		
73	Damaris Ramos, BS (Biology) (Undergraduate), FIU – Travel Award to present her work at the 7 th Asian Conference on Transcription in Kuala Lumpur, Malaysia (July)	2002
74	Kok-Fai Kong, PhD (Biology), ASM Travel Award , 103 rd Annual Meeting of the American Society for Microbiology in Washington, DC. May 18 th – 22 nd , 2003.	2003

75	Kok-Fai Kong, PhD (Biology), CSH Participation Award , 4 th Biannual Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, Sept 14 th – 18 th , 2004, Cold Spring Harbor, NY.	2004
76	Allison Adonizio, PhD (Biology), CSH Participation Award , 4 th Biannual Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, Cold Spring Harbor, NY. Sept 14 th – 18 th , 2004.	2004
77	Allison Adonizio, PhD (Biology), CSH Participation Award , 4 th Biannual Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, Cold Spring Harbor, NY. Sept 14 th – 18 th , 2004.	2004
78	Kok-Fai Kong, PhD (Biology), ASM Travel Award , 45 th Annual International Conference on Antimicrobial Agents and Chemotherapy (ICAAC) on September 21 – 24, 2005 in New Orleans, LA.	2005
79	Allison Adonizio, PhD (Biology), ASM Travel Award , 106 th Annual Meeting of the American Society for Microbiology in Orlando, FL. May 21 st – 25 th , 2006.	2006
80	Diansy Zincke, PhD (Biology), ASM Travel Award , 108 th American Society for Microbiology Meeting	2008
81	Camila Ceballos, BS (Biomedical Engineering), CSH Participation Award , Biannual Meeting of the Cold Spring Harbor Laboratory on Microbial Pathogenesis and Host Response, Cold Spring Harbor, NY.	2009
82	Sameer Shaikh, BS (Biology), Travel Award , National Conferences on Undergraduate Research (NCUR) National Conference University of North Carolina - April 7-9, 2016	2016
83	Sameer Shaikh, BS (Biology), Travel Award , National Conferences on Undergraduate Research (NCUR) National Conference, University of Memphis - April 6-8, 2017	2017
84	Brett Colbert, BS (Biology), ASM Travel Award , American Society of Microbiology (ASM) Microbe Meeting Oral Session. New Orleans, Louisiana. June 3 rd .	2017
85	Sameer Shaikh, BS (Biology), ASM Travel Award , Annual Meeting of the American Society for Microbiology – ASM Microbe 2017 in New Orleans, LA. June 16 th – 20 th .	2017
Oral Outstanding Presentation Awards		
86	Maria Raquel Weaver, BS (Biology), Second Place , Life-Science Presentation Category at the Florida Georgia-Stokes League in Alliance for Minority Participation Exposition.	2002
87	Allison Adonizio, PhD (Biology), First Place , The Joint 45 th Annual Meeting of the Society for Economic Botany with the International Society of Ethnobiology & the 8 th International Society for Ethnopharmacology at University of Kent at Canterbury, UK.	2004
88	Melissa Doud, MS (Forensics), First Place , Life Sciences Category, 2005 FIU Graduate Student Association Annual Scholarly Forum	2005
89	Allison Adonizio, PhD (Biology), Second Place , 8 th Biomedical and Comparative Immunology Symposium. Immunodiversity: Cellular and Molecular interactions.	2006
90	Melissa Doud, PhD (Biology), First Place , Graduate Students Category, FIU Minority Biomedical Research Mini-Symposium. University Park. FL.	2007
91	Melissa Doud, PhD (Biology), Second Place , Graduate Students Category, 2007 American Society for Microbiology – Florida Branch Meeting in St. Petersburg, FL.	2007
92	Melissa Doud, PhD (Biology), Third Place , 8 th Comparative Immunology Symposium: Immunodiversity: Cellular and Molecular Interactions.	2008

93	Melissa Doud, PhD (Biology), Second Place , 10 th FIU Annual Biology Research Symposium, FIU	2008
94	Deepak Balasubramanian, PhD (Biology), Honorable Mention , 12 th Annual Biology Research Symposium, FIU	2010
95	Laura Florez (Biology) & Camila Delgado (Biomedical Engineering), First Place , 3 rd Annual Undergraduate Research Life Symposium, Florida International University.	2010
96	Michael Rodriguez, High School Student, First Place , 3 rd Annual Undergraduate Research Life Symposium, Florida International University	2010
97	Shiva Kangeyan, Freshman, High School Student, First Place , 4 th Annual Undergraduate Research Life Symposium, Florida International University	2011
98	Lourdes Ramirez, BS (Biology), Co-First Place , Annual Biomedical Research Conference for Minority Students, St. Louis, Missouri. She shared the podium with a Yale undergraduate.	2011
99	Ivonne Valentina Lollett BS (Biology), Honorable Mention , 5 th Annual Undergraduate Research Life Symposium, Florida International University	2012
100	Deepak Balasubramanian, PhD (Biology), First Place , 14 th Annual Biomedical and Comparative Immunology Symposium, Florida International University. Graduate Student Category	2012
101	Gorakh Tatke, PhD (Biology), First Place , 16 th Annual Biomedical and Comparative Immunology Symposium, Florida International University. Graduate Student Category	2014
102	Liana Apolis BS (Biology), Second Place , 16 th Annual Biomedical and Comparative Immunology Symposium, Florida International University. Undergraduate Student Category	2014
103	Gorakh Tatke, PhD (Biology), Second Place , 17 th Annual Biomedical and Comparative Immunology Symposium, Florida International University. Graduate Student Category	2015
104	Gorakh Tatke, PhD (Biology), Second Place , 17 ^h FIU Annual Biology Research Symposium, FIU	2015
105	Brett Colbert, BS (Biology), First Place , <i>Communication in Science Award presented by the Microbiology Society (UK)</i> . Biology and Comparative Immunology Symposium, Florida International University, Modesto Maidique Campus, Miami, Florida. March 31 st .	2017
106	Sameer Shaikh, BS (Biology), Second Place , <i>Communication in Science Award presented by the Microbiology Society (UK)</i> . Biology and Comparative Immunology Symposium, Florida International University, Modesto Maidique Campus, Miami, Florida. March 31 st .	2017
107	Brett Colbert, BS (Biology), First Place , Annual Biomedical Research Conference for Minority Students (ABRCMS), American Society of Microbiology, Tampa, Florida, 2017 November 10 th .	2017
108	Supurna Dhar, PhD (Biomedical Sciences), First Place , <i>Communication in Science Award presented by the Microbiology Society (UK)</i> . Biology and Comparative Immunology Symposium, Florida International University, Modesto Maidique Campus, Miami, Florida. March 31 st .	2018

Poster Presentation Awards		
109	Krystal Anson BS (Biology). First Place , Summer Research Institute Symposium. Ronald E. McNair Post-Baccalaureate Achievement Program.	2005
110	Lilliana Moreno, MS (Forensics), Second Place , Life Sciences Category, Graduate Student Association Annual Scholarly Forum	2005
111	Natalie Maricic, BS (Biology Major). First Place , Undergraduate Category, 2007 Annual Meeting of the Florida Branch American Society for Microbiology	2007
112	Deepak Balasubramanian, PhD (Biology), First Place , Graduate Students Category American Society for Microbiology – Florida Branch Meeting in St. Petersburg, FL	2007
113	Natalie Maricic, BS (Biology Major). First Place , 10 th Annual Biology Research Symposium.	2008
114	Laura Florez, BS (Biology Major), First Place , Annual Biomedical Research Conference for Minority Students	2009
115	Kyle Martins, PhD (Biomedical Sciences Major), Second Place, Graduate category , Biomedical and Comparative Immunology Symposium. Immunodiversity: Cellular and Molecular Interactions. Miami, FL. March 31.	2017
116	Mariavictoria Lorenzo, BS (Biology Major), Second Place, Undergraduate category , Biomedical and Comparative Immunology Symposium. Immunodiversity: Cellular and Molecular Interactions. Miami, FL. March 31.	2017

Other Accolades		
No	Name	Year
Robert J Smiddy Excellence in Undergraduate Research Award		
117	Aditi Gurkar, BS (Biology Major) Inaugural Recipient	2005
118	Natalie Maricic, BS (Biology Major)	2008
119	Christian Villaseca, BS (Biology Major)	2008
120	Liana Angeli N. Apolis, BS (Biology Major)	2014
121	Brett Colbert, BS (Biology Major)	2017
FIU Biological Sciences Honors Awards		
122	Brett Colbert, BS (Biology Major) – Shared for best presentation	2017
123	Sameer Shaikh, BS (Biology Major) – 2 nd Prize for presentation	2017
124	Brett Colbert, BS (Biology Major) – Best Written Thesis	2017
125	Sameer Shaikh, BS (Biology Major) – 2 nd Prize the Best Written Thesis	2017
FIU College of Arts & Sciences Faculty Award for Outstanding Achievement		
126	Damaris Ramos, BS Honors (Biology Major)	2002
127	Analisa Cumberbach, BS (Biology Major)	2002
128	Alian Aguila, BS Honors (Biology Major)	2003
129	Aditi Gurkar, BS (Biology Major)	2006
130	Natalie Maricic, BS (Biology Major)	2008
131	Raphael Bosse, BS Biomedical Honors (Biology)	2009
132	Brett Colbert, BS (Biology Major)	2017

FIU College of Arts & Sciences Faculty Award for Outstanding Service		
133	Raquel Olavarietta-Aguerre, BS Honors (Biology)	2005
134	Krystal Anson, BS (Biology Major)	2006
Phi Beta Kapa Honor Society		
135	Alian Aguila, BS Honors (Biology)	2002
136	Aditi Gurkar, BS (Biology)	2006
137	Natalie Maricic BS (Biology)	2008
138	Nabil Abou Baker, BS Biomedical Honors (Biology)	2008
139	Raphael Bosse, BS Biomedical Honors (Biology)	2009
140	Brett Colbert, BS (Biology Major)	2018
Honors College Awards		
141	Damaris Ramos, FIU Honors College Award for Academic Excellence in Science/Technology	2002
142	Katherine Vandenberg, FIU Honors College Award for Academic Excellence in Science/Technology	2010
Other Awards		
143	Zhijun Song, Postdoctoral Fellow, 101 st Annual Meeting of the American Society for Microbiology. Orlando, FL. May 20 th – 24 th . Z. Song, H. Wu, K. Mathee, N. Hoiby, and A. Kharazmi. Effects of Gerimax ginseng treatment on the chronic lung infection with mucoid and non-mucoid <i>P. aeruginosa</i> in rats. Abstract #A-121 <ul style="list-style-type: none"> • Selected by ASM for Press release titled as “Can ginseng combat bacterial infection?” • CBS journalist made an interviewd Dr. Song – it appeared in CBS Health Watch on May 25, 2001 titled as “Ginseng May Fight Bacterial Infection, Help Cystic Fibrosis Sufferers”. 	2001
144	Alian Aguila, FIU News “ Student Spot Light ” (news.fiu.edu/thisweek/01sep03.htm)	2003
145	Alian Aguila FIU Homepage “ Alumni Spotlight ” (news.fiu.edu/releases/2003/10-13_alian_aguila.htm)	2003
146	Laura Florez, Peace Award, Martin Luther King Commemorative Event	2011
147	Krystal Anson BS (Biology). Third Prize for Best Research Report , Summer Research Institute Symposium. Ronald E. McNair Post-Baccalaureate Achievement Program.	2005
Middle and High School Awards		
148– 149	Rafael Ortiz and Michael Rodriguez, Christopher Columbus High, Miami. <ul style="list-style-type: none"> ▪ Selected to represent the school at Miami-Dade County Fair 2009 ▪ Selected to represent Miami-Dade, Honorable Mention at the Florida Science Fair 	2009
150	Michael Rodriguez, Christopher Columbus High, Miami, He was selected to represent Miami-Dade Cnounty at the Florida Science Fair 2010	2010
151 – 153	Shiva Kangeyan, Archimedean Middle Conservatory, Miami <ul style="list-style-type: none"> ▪ Excellence Miami-Dade Regional Science and Engineering Fair / SECME (Miami-Dade College) Science Fair ▪ 1st Place – Microbiology category, Florida State Science and Engineering Fair ▪ Grand Award, Best in Fair Florida State Science and Engineering Fair 	2011

154 – 156	Rohan Batra, American Heritage School, Davie, FL, <ul style="list-style-type: none"> ▪ Intel International Science and Engineering Fair, Los Angeles, 2011 <ul style="list-style-type: none"> ○ 4th Place - Grand Award, Microbiology ○ 5th Place - American Society of Microbiology Award ▪ 4th Place - Microbiology Florida State Science and Engineering Fair ▪ 1st Place - Broward County Science Fair, 2011 	2011
157 – 158	Shiva Kangeyan, Archimedean Conservatory, Miami <ul style="list-style-type: none"> ▪ Superior Award, Microbiology category, Miami-Dade Regional Science and Engineering Fair/SECME (Miami-Dade College) Science Fair ▪ 3rd Place – Microbiology category Florida State Science and Engineering Fair 	2012
159 – 160	Rohan Batra, American Heritage School, Davie, FL, <ul style="list-style-type: none"> ▪ US National BioGENEius Challenge, Boston, June 2012 <ul style="list-style-type: none"> ○ US National Finalist ○ Winner of Florida BioGENEius Challenge, May 2012 ▪ Florida Junior Academy of Science (FJAS), March 2012 <ul style="list-style-type: none"> ○ 1st Place - State in Medical Sciences (research paper writing & presentation) ○ Best among top 10 selected papers, invited to submit paper to the American Association for the Advancement of Science (AAAS) conference in Boston 	2012
161	Shiva Kangeyan, Archimedean Conservatory, Miami <ul style="list-style-type: none"> ▪ Intel International Science and Engineering Fair <ul style="list-style-type: none"> ○ 4th Place - Grand Award, Microbiology 	2013

2.13. TEACHING

List of courses taught (C – credits; S – Student; E – Effort)

FIU Herbert Wertheim College of Medicine

1. Herbert Wertheim College of Medicine
 - a. BMS6300 [3 C]: Microbes, Infection and Immunology
 - i. Course Director — 2012 (43 S)
 - ii. Associate Director (43 S) — 2011
 - iii. Small Group Leader - 2012 (12 S); 2013 (12 S)
 - b. BMS6301 [3C]: Medical Microbiology and Immunology (66% E) — Fall 2016 (48 S), Fall 2017 (40 S), Fall 2018 (51? S), Fall 2019 (50+ S?)
 - c. GMS6103: Medical Microbiology and Infectious Diseases (100 % E) — Spring 2018(2 S), Spring 2019 (2 S), Spring 2020 (
 - d. GMS6904 [3C]: Introduction to Scientific Writing (100 % E) — Sum 2013 (4 S)
 - e. GMS6940 [1C]: Supervised Teaching (100 % E) — Sp 2016 (1 S)
 - f. GMS6961 [5C]: Qualifying Examination — Sum 2015 (1 S, 5C)
 - g. GMS6962 [1 C]: Preliminary Proposal (100% E)— Sum 2013 (4 S)
 - h. GMS6963 [3C]: Doctoral Dissertation Proposal (100% E) — Sum 2016 (1 S)
 - i. GMS6964 [1C]: Proposal Seminar— Sum 2016 (1 S)

- j. GMS6970 (Mixed C): Thesis Research (Supervised Research) — Fall 2013 (1 S), Sp 2014 (1 S, 4C)
- k. GMS6979 (Mixed C): Research Credits — Sum 2013 (4 S, 1C), Sum 2014 (1 S, 6C), Sp 2015 (1 S, 8C), Sum 2015 (2 S: 1 – 1C, 1 – 6C), Sum 2015 (2S, 9C), Fall 2015 (1 S, 9C), Sp 2016 (2 S:1 - 7C, 1 - 8C), Sum 2016 (2 S: 1 - 2C, 1 - 5C), Fall 2016 (2 S: 1 - 4C, 1 - 9C), Sp 2017 (2 S: 1 - 3C, 1 - 4C)
- l. PHY7981 (Mixed C): PhD Dissertation — Sum 2007 (1 S), Fall 2007 (1 S), Spring 2008 (1 S)

FIU College of Arts & Sciences

2. College of Arts and Sciences — Biological Sciences Graduate Courses

- a. PCB6025 (3C): Molecular and Cellular Biology (50 % Effort; Fall Semester); In 2000, it was an experimental course with PCB 6990 code — 2000 (9 S), 2001 (17 S), 2002 (19 S), 2003 (28 S), 2004 (44 S), 2005 (12 S), 2007 (18 S)
- b. MCB5993 (3C): Microbial Infectious Processes (100 % E) — Spring 2000 (10S), Fall 2002 (2 S)
- c. MCB5936 (1C): Glaser Seminar (100% E): Fall 2004 (12S)
- d. MCB5453L (1C): Prokaryotic Signaling Workshop (100% E) — Fall 2001 (5 S)
- e. BSC5931 (1C): Microbial Pathogenesis (100% E) — Fall 2000 (5 S), Spring 2001 (1 S)
- f. BSC5315C (2C): Workshop: Cloning (100% E) — Spring 2002 (8 S), Spring 2003 (4 S), Spring 2004 (10 S), Fall 2005 (3 S), Spring 2009 (7 S)
- g. BSC5935 (1C): Graduate Topics in Biology (100% E) — Fall 2001 (7 S), Fall 2002 (4 S), Spring 2002 (7 S), Fall 2003 (6 S), Spring 2003 (5 S), Fall 2004 (3 S), Spring 2004 (2 S), Fall 2005 (4 S), Spring 2005 (4 S), Fall 2007 (4 S), Fall 2008 (3 S), Spring 2008 (4 S)
- h. BSC6913 (Mixed C): Student Research Lab (100 % E) — Sp 2000 (4 S), Sum 2000 (4 S), Fall 2000 (4 S), Sp 2001 (5), Sum 2001 (2), Fall 2001 (7), Sp 2002 (3), Sum 2002 (3), Fall 2002 (7), Sp 2003 (5), Sum 2003 (3), Fall 2003 (7), Sp 2004 (4), Sum 2004 (9), Fall 2004 (1), Sp 2005 (2), Sum 2005 (2), Sp 2006 (1), Sum 2006 (1), Fall 2006 (2), Sp 2007 (4), Sum 2007 (5), Fall 2007 (4), Sp 2008 (4), Sum 2008 (2), Fall 2008 (2), Sp 2009 (2), Sum 2009 (2), Fall 2009 (2), Sp 2010 (2), Fall 2010 (2), Sp 2011 (2), Fall 2011 (2), Sp 2012 (4), Sum 2012 (3), Fall 2012 (3 S: 1 - 4C; 1 - 8C; 1 - 9C), Sp 2013 (3 S: 2 - 9C; 1 - 8C), Sum 2013 (3 S: 2 - 6C; 1 - 1C), Fall 2013 (2 S, 9C), Sp 2014 (1, 9C), Sum 2014 (1 S, 6C), Fall 2014 (1 S, 8C), Sum 2016 (1 S, 6C)
- i. BSC6971 (Mixed C): Master's Thesis (100% E) — Sp 2002 (2 S), Fall 2002 (4 S), Sp 2003 (5 S), Sm 2003 (4 S), Fall 2003 (1 S), Sp 2004 (1 S), Sm 2004 (8 S), Fall 2004 (3 S), Fall 2005 (3 S), Sp 2005 (4 S), Sm 2005 (1 S), Sp 2006 (1 S), Sp 2007 (1 S), Fall 2007 (1 S), Fall 2009 (1 S), Fall 2013 (1 S, 1C)
- j. BSC6993/6990 (1 C): Biology Internship — Fall 2004 (1 S), Summer 2005 (1S)
- k. BSC6939 [1 C]: Graduate Seminar — Fall 2016 (1 S)
- l. BSC7980 (Mixed C): PhD Dissertation — Sum 2004 (2 S), Fall 2004 (1 S), Sp 2005 (1 S), Sum 2005 (2 S), Fall 2005 (2 S), Sp 2006 (1 S), Sum 2006 (1 S), Fall 2006 (1 S), Sp 2007 (1 S), Sum 2007 (1 S), Fall 2007 (1 S), Sum 2008 (1 S), Sum 2008 (1 S), Fall 2008 (1 S), Sum 2009 (1 S), Sp 2009 (1 S), Fall 2009 (1 S), Sp 2010 (1 S), Fall 2010 (1 S), Sp 2011 (2 S), Sum 2011 (2 S), Fall 2011 (2 S), Sum 2012 (2 S), Sp 2012 (2 S), Fall 2012 (2 S, 9C), Sp 2013 (2 S:1 - 2C; 1 - 9C), Sum 2013 (1 S, 6C), Fall 2013 (1 S, 9C), Sp 2014 (2 S, 8C), Sum 2014 (2 S: 1 - 6C, 1 - 5C), Fall 2014 (2S: 1 – 9C, 1 - 8C), Sp 2015 (1S, 8C), Sum

2015 (2 S: 1 - 3C, 1 - 9C), Fall 2015 (3 S, 6C), Sp 2016 (2 S: 1 - 3C, 1 - 9C), Sum 2016 (1S, 6C), Fall 2016 (2 S: 1 - 8C, 1 - 9C), Sp 2017 (1 S, 9C), Sp 2017 (1 S, 8C)

3. College of Arts and Sciences — Biological Sciences Undergraduate Courses
 - a. PCB3063 (3C): Genetics (100% E) — Spring 2004 (63 S), Spring 2005 (130 S)
 - b. PCB3063 L (1 C): Genetics Lab (50% E) — Spring 2004 (11 S), Spring 2005 (48 S)
 - c. BSC3915 (Mixed C): Undergraduate Research Lab — Sp 2000 (2 S), Fall 2000 (1 S), Fall 2001 (1 S), Sm 2001 (1 S), Sp 2002 (1 S), Sm 2002 (1 S), Sm 2003 (2 S), Sm 2004 (4 S), Sm 2005 (2 S), Sp 2006 (2 S), Sp 2008 (1 S), Sm 2008 (1 S), Sp 2009 (1S), Sm 2009 (2 S), Fall 2010 (1 S), Fall 2012 (1 S, 5C), Sp 2013 (1 S, 2C), Sp 2015 (3 S, 1C), Sum 2015 (2 S: 1 - 3C, 1 - 4C), Sum 2015 (2 S: 1 - 2C, 1 - 4C), Fall 2015 (3S: 1 - 2C; 1 - 4C)
 - d. BSC3949: Co-Op Education in Biology — Summer 2005 (1S)
 - e. BSC4915L (1 C) : Honors Research Lab (100 % E) — Fall 2001 (2 S), Fall 2002 (1 S), Fall 2004 (4 S), Fall 2006 (1S), Sp 2007 (1S), Fall 2008 (2), Fall 2011 (1 S), Sp 2013 (1 S), Fall 2013 (1S), Fall 2016 (2 S)
 - f. BSC4914 (Mixed C): Undergraduate Research Lab — Sm 2001 (1 S), Sp 2002 (2 S), Fall 2002 (1 S), Sm 2004 (2 S), Fall 2004 (1 S), Sm 2006 (1 S), Fall 2006 (1 S); Sp 2007 (1 S), Fall 2007 (3 S), Sp 2009 (1 S), Sp 2010 (2 S), Fall 2010 (2 S), Sp 2011 (2 S), Sm 2011 (1 S), Sp 2012 (1 S), Sum 2016 (2 S, 3C), Sp 2017 (3 S: 1 - 3C, 2 - 6C)
 - g. BSC4931 (1C): Undergraduate Senior Seminar (100% E) — Fall 2001 (33 S), Fall 2010 (9 S)
 - h. BSC4934 (1C): Topics in Biology (100% E) — Fall 2001(1 S); Fall 2002 (1S), Spring 2002 (3S), Spring 2003 (3S), Fall 2004 (3 S), Spring 2005 (3S), Fall 2005 (3 S), Spring 2006 (2S), Fall 2007 (4 S), Fall 2008 (2 S)

2.14. OTHER PROFESSIONAL AND PUBLIC SERVICES

Professional Activities		
Editorial Boards		
No	Date	Editorial Board
6	04/2017 - Present	Co-Editor-in-Chief, Journal of Medical Microbiology http://jmm.microbiologyresearch.org/content/journal/jmm
5	05/2017 –	Topic Editor: To Transport or Not To — The Gate-Keepers of The Cell Integrity and Their Role in Pathogenesis. Frontiers in Microbiology
4	09/2015 – 03/2017	Section Editor, Prevention and Therapy, Journal of Medical Microbiology
3	2009 – 09/2015	Editor, Journal of Medical Microbiology
2	2009 - 2018	Associate Editor, BMC Microbiology
1	2009 - 2018	Editorial Board, Frontiers in Cellular and Infection Microbiology as Review Editor.
Journal Reviews		
No	Date	Reviewing Duties: Journal (No of articles reviewed)
15	2019	mBio
14	2015	Antimicrobial Agents and Chemotherapy

13	2014	Molecular Microbiology
12	2012	Microbiology
11	2011	Microbiology
10	2010	Microbiology (2), Journal of Medical Microbiology (2), PlosOne (1)
9	2009	Journal of Pharmacognosy and Phytotherapy (1), Acta Pathologica, Microbiologica et Immunologica Scandinavica (1) and Current Microbiology (1)
8	2008	Molecular Microbiology (3), Journal of Medical Microbiology (2), Acta Biochimica et Biophysica Sinica (1), Microbiological Research (1)
7	2007	Proceedings of National Academy of Sciences USA (1), Journal of Microbiology (1), Molecular Microbiology (1), and Review an article for a book
6	2006	Molecular Microbiology (1), Journal of Herbs, Spices and Medicinal Plants (1)
5	2003	FEMS Microbiological Letters (1) and Journal of Medical Microbiology (1)
4	2002	Gene (1) and Journal of Medical Microbiology (1)
3	2001	Corel Reef Proceedings (1) and Journal of Medical Microbiology (1)
2	2000	Acta Pathologica, Microbiologica et Immunologica Scandinavica (1) and Microbiology (1)
1	1998	Microbiology (1)

Grant Reviews

No	Date	Agencies
14		HWCOM – 15 proposals
13		Mexican – 3 proposals
12	2018	2018/05 ZRG1 F08(20) L – Fellowships: Genes, Genomes, and Genetics Panel (March)
11	2017	NIH ZRG1 F08-A (20) L – Fellowships: Genes, Genomes, and Genetics Panel (October)
10	2017	NIH ZRG1 F08-F (20) L – Fellowships: Genes, Genomes, and Genetics Panel (June)
9	2015	NIH R15 (AREA) Panel – Applications on Microbiology and Infectious Diseases (September)
8	2015	The Wellcome Trust/DBT Alliance Fellowship, India
7	2013	NIH R15 Panel
6	2013	NIH Special Emphasis Panel ZAI1-BLG-M-C1
5	2010	Croatia National Science Foundation
4	2009	Swiss National Science Foundation
	2009	US National Science Foundation
3	2008 -11	Canadian Cystic Fibrosis Foundation
2	2007	Medical Research Council, United Kingdom
1	Fall 2003	South Dakota Experimental Program to Stimulate Competitive Research (EPSCoR), South Dakota State University

Tenure & Promotion Reviewer

No	Date	Students/Institutes
4	Dec 2019	Dr. Martin Welch, University of Cambridge. From Senior Lecturer to Reader (Equivalent of Associate Professor)

3	June 2018	Dr. Samuel Pope, Visiting Research Associate Professor to Research Associate Professor without tenure, University of Illinois College of Medicine at Rockford, IL
2	Nov 2017	Dr. Alan Ong Han Kiat, Associate to Full Professor, University of Tengku Abdul Rahman, Kampar, Perak, Malaysia
1	2016	Dr. Yun-Fong Ngeow, Associate to Full Professor, University of Tengku Abdul Rahman, Kampar, Perak, Malaysia

International External Examiner

No	Date	Students/Institutes
6	2017	PhD Candidate Ms. L. Rene Cristina. SASTRA University, Thanjavur, Tamilnadu, India. Dissertation title: Screening and validation of novel efflux pump inhibitors against multi-drug resistant (MDR) <i>Staphylococcus aureus</i> . Was examined in July 2017.
5	2017	PhD Candidate Mr. S. Sethupathy, Alagappa University, Karaikudi, Tamilnadu, India. Dissertation title: Efficacy of quorum sensing and biofilm inhibitors from natural sources against certain bacterial pathogens and their effect on the proteome of <i>Pseudomonas aeruginosa</i> and <i>Serratia marcescens</i> . Was examined in March 2017.
4	2015	University Tengku Abdul Rahman Microbiology Program, Kampar, Malaysia
3	2006	PhD Candidate Mr. Jonathan Nimal, Pondicherry University, Pondicherry, Tamilnadu, India. Dissertation title: Molecular analysis, optimization of culture media and field-testing of <i>Bacillus thuringiensis</i> var <i>israelensis</i> strains isolated from India against mosquito larvae. Was examined in Aug 2006.
2	2002	MSc Candidate Mr. Christopher Cooper, Department of Microbiology and Plant Pathology, Univ. of Pretoria, Pretoria, South Africa. Thesis Title: The expression from the <i>algD</i> promoter in biofilm cultures. Was examined in April 2002.
1	2001	PhD Candidate Ms. Ling Shui-Nyuk, Institute of Biological Sciences (Genetics), Universiti Malaya, Kuala Lumpur, Malaysia. Dissertation title: Cloning and molecular characterization of a multiple antibiotic resistance transposon from <i>Salmonella typhi</i> . Was examined in July 2001.

Conference Committees

No	Date	Conference Information
12	2017-19	International Organizing Chair , 17 th International Pseudomonas Conference, Putrajaya, Malaysia. July 22 nd – 26 th 2019.
11	2017	International Organizing Committee , 16 th International Pseudomonas Conference, Liverpool, UK. September 5 th – 9 th 2017.
10	2010-17	Chair , International Conference in Tropical Medicine, Miami, FL. This conference morphed into the International Conference on Global Health from 2016.
9	2015-17	International Organizing Chair , 15 th Asian Conference on Transcription (ACT-15), Penang, Malaysia. July 31 st – August 4 th 2017.
8	2014-15	Scientific Organizing Committee Member , 14 th Asian Conference on Transcription (ACT-11), Singapore, December 3 rd –4 th , 2015.
7	2012-14	Scientific Organizing Committee Member , 13 th Asian Conference on Transcription (ACT-11), Melbourne, Australia. February 19 th – 21 st 2014.
6	2010-12	Scientific Organizing Committee Member , 12 th Asian Conference on Transcription (ACT-11), Jeju Island, Korea, June 6 th – 9 th 2012.
5	2008-10	Scientific Organizing Committee Member , 11 th Asian Conference on Transcription (ACT-11), Nakijin, Okinawa, Japan. July 1 st – 5 th 2010.

4	2006-8	Scientific Organizing Committee Member , 10 th Asian Conference on Transcription (ACT-IX), Bangalore, India. Jan 13 th – 16 th 2008.
3	2004-5	Scientific Organizing Committee Member , 9 th Asian-Pacific Conference on Transcription (ACT-VIII), Taipei, Taiwan. Dec 12 th – 15 th 2005.
2	2003-4	Scientific Organizing Committee Member , 8 th Asian Conference on Transcription (ACT-VIII), Bangkok, Thailand. Nov. 16 th – 19 th 2004.
1	2001-2	Scientific Organizing Committee, Chair , 7 th Asian Conference on Transcription. Kuala Lumpur, Malaysia. July 23 rd – 27 th , 2002 www.fiu.edu/~act_vii .

Others

No	Date	International and National Activities
9	2017 - 2022	Member , Publishing Committee, Microbiology Society, UK
8	2016 - 2017	External Reviewer for faculty promotion, UTAR, Malaysia
7	07/2007	Volunteer Faculty teaching at the A.M. Dogglioti Medical School, Liberia. Taught Medical Microbiology and Molecular Biology. The class graduated in 2011 and honored me at their graduation.
6	12/2004	Science Fair Judge , Saint John Neumann Preparatory School Science Fair on 12/1/2004.
5	05/2004	Career Mentor for student members. One-hour session organized by the American Society for Microbiology (ASM) at the 104 th Annual Meeting in New Orleans, LA. May 26 th .
4	09/2001	Cyber Interview . Participated in a Cyber Interview conducted by The Institute of Research Management and Consultancy, University Malaya, Malaysia.
3	06/2001	Media interview with the Danish journalists about our Ginseng work during my summer trip to Denmark. Reference to our work appeared in several Danish News: Jun 28 (3), June 30, July 1, July 17 and July 30.
2	10/2000	Workshop in Malaysia . Bacteria Cell-to-Cell Communication" under the program of The Dr. Ranjit Bhagwan Singh Medical Research Fund on 17-20 th October 2000, at University of Malaya, Kuala Lumpur, Malaysia.
1	05/2000	"President Elect Task Force Meeting" I was one of the ~40 members selected by Prof. Martha Howe, the 101 st ASM President, to attend the task force meeting at the 100 th Annual Meeting of the American Society for Microbiology in May 2000

FIU Services

No	Committees
2018-2019	
University Service	
1	Committee Member, Selection Committee for President's Council Worlds Ahead Faculty Award
2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
3	Martin Luther King Jr Commemorative Celebration Committee <ul style="list-style-type: none"> ◆ Chair, College Liasion ◆ Chair, MLK@The Frost ◆ Committee, Fundraising
4	Graduate Committees <ul style="list-style-type: none"> ◆ Ellen Dow (Major Professor: Mauritio Rodriguez-Lanetty, Biological Sciences, CASE) — Defended June 2019.

	<ul style="list-style-type: none"> ◆ Tanja Zerulla (Major Professor: Bill Stoddard, Biological Sciences, CASE) — Was dropped in May 2019 ◆ Jorge Luis Perez-Moreno (Major Professor: Heather Bracken-Grissom, Biological Sciences, CASE) ◆ Camilo Valdes (Major Professor: Giri Narasimhan, Computer Science, COE) — defended his proposal April 2019 ◆ Adriana Jimenez (Major Professor: Kristopher Fennie, Epidemiology, CPH) ◆ Michelle Miranda (Major Professor: Joongho Moon, Chemistry and Biochemistry, CASE — defended his proposal April 2019
5	External Liaison Officer at The Patricia and Phillip Frost Art Museum

Herbert Wertheim College of Medicine (COM) Service

6	Curriculum Committee: curriculum for biomedical sciences certificate
---	--

2017-2018

University Service

1	Committee Member, Selection Committee for President's Council WorldsA head Faculty Award
2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
3	<p>Martin Luther King Jr Commemorative Celebration Committee</p> <ul style="list-style-type: none"> ◆ Chair, College Liasion ◆ Chair, MLK@The Frost ◆ Committee, Fundraising
4	<p>Graduate Committees</p> <ul style="list-style-type: none"> ◆ Tanya Brown (Major Professor: Mauritio Rodriguez-Lanetty, Biological Sciences, CASE) – Defended in Fall 2017. ◆ Md Salauddin Ahmed (Major Professor: Joongho Moon, Chemistry and Biochemistry, CASE) – Defended in Fall 2017. ◆ Nan Cao (Major Professor: Yuk Cing Tse-Dinh, Chemistry and Biochemistry, CASE) – Defended in Spring 2018. ◆ Maria Areza (Major Professor: Fernando Noriega, Biological Sciences, CASE) – Defended in Summer 2018. ◆ Meहुल Jani (Major Professor: Rajeev Azad, University of North Texas, Denton) – Defended in Spring 2018. ◆ Ellen Dow (Major Professor: Mauritio Rodriguez-Lanetty, Biological Sciences, CASE) ◆ Tanja Zerulla (Major Professor: Bill Stoddard, Biological Sciences, CASE) ◆ Jorge Luis Perez-Moreno (Major Professor: Heather Bracken-Grissom, Biological Sciences, CASE) ◆ Camilo Valdes (Major Professor: Giri Narasimhan, Computer Science, COE) ◆ Adriana Jimenez (Major Professor: Kristopher Fennie, Epidemiology, CPH)
5	External Liaison Officer for the Many Visions, Many Versions — Art from Indeigenous Communities in India Exhibit (June 9 to Sept 9, 2018) at The Patricia and Phillip Frost Art Museum.

Herbert Wertheim College of Medicine (COM) Service

6	Curriculum Committee: curriculum for biomedical sciences certificate.
---	---

2016-2017

University Service

1	Committee Member, Selection Committee for President's Council WorldsA head Faculty Award
2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
3	<p>Martin Luther King Jr Commemorative Celebration Committee</p> <ul style="list-style-type: none"> ◆ Chair, College Liasion

	<ul style="list-style-type: none"> ◆ Chair, MLK@The Frost ◆ Committee, Fundraising
4	<p>Graduate Committees</p> <ul style="list-style-type: none"> ◆ Tanya Brown (Major Professor: Maurilio Rodriguez-Lanetty, Biological Sciences, CAS) ◆ Ellen Dow (Major Professor: Maurilio Rodriguez-Lanetty, Biological Sciences, CAS) ◆ Md Salauddin Ahmed (Major Professor: Joongho Moon, Chemistry and Biochemistry, CAS) ◆ Nan Cao (Major Professor: Yuk Cing Tse-Dinh, Chemistry and Biochemistry, CAS) ◆ Maria Areza (Major Professor: Fernando Noriega, Biological Sciences, CAS) ◆ Tanja Zerulla (Major Professor: Bill Stoddard, Biological Sciences, CAS) ◆ Jorge Luis Perez-Moreno (Major Professor: Heather Bracken-Grissom, Biological Sciences, CAS) ◆ Camilo Valdes (Major Professor: Giri Narasimhan, Computer Science, COE) ◆ Mehul Jani (Major Professor: Rajeev Azad, University of North Texas, Denton)
Herbert Wertheim College of Medicine (COM) Service	
5	Curriculum Committee: curriculum for biomedical sciences certificate.
2015-2016	
University Service	
1	Committee Member, Selection Committee for President's Council WorldsA head Faculty Award
2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
3	<p>Martin Luther King Jr Commemorative Celebration Committee</p> <ul style="list-style-type: none"> ◆ Chair, College Liasion ◆ Chair, MLK@The Frost ◆ Committee, Fundraising
4	<p>Graduate Committees</p> <ul style="list-style-type: none"> ◆ Tanya Brown (Major Professor: Maurilio Rodriguez-Lanetty, Biological Sciences, CAS) ◆ Ellen Dow (Major Professor: Maurilio Rodriguez-Lanetty, Biological Sciences, CAS) ◆ Md Salauddin Ahmed (Major Professor: Joongho Moon, Chemistry and Biochemistry, CAS) ◆ Nan Cao (Major Professor: Yuk Cing Tse-Dinh, Chemistry and Biochemistry, CAS) ◆ Maria Areza (Major Professor: Fernando Noriega, Biological Sciences, CAS) ◆ Tanja Zerulla (Major Professor: Bill Stoddard, Biological Sciences, CAS) ◆ Jorge Luis Perez-Moreno (Major Professor: Heather Bracken-Grissom, Biological Sciences, CAS) ◆ Mehul Jani (Major Professor: Rajeev Azad, University of North Texas, Denton)
Herbert Wertheim College of Medicine (COM) Service	
4	Curriculum Committee: curriculum for biomedical sciences certificate.
2014-2015	
University Service	
1	Committee Member, Selection Committee for President's Council WorldsA head Faculty Award
2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
3	<p>Martin Luther King Jr Commemorative Celebration Committee</p> <ul style="list-style-type: none"> ◆ Chair, College Liasion ◆ Committee, Fundraising ◆ Committee, Entertainment
4	<p>Graduate Committees</p> <ul style="list-style-type: none"> ◆ Tanya Brown (Major Professor: Maurilio Rodriguez-Lanetty, Biological Sciences, CAS) ◆ Ellen Dow (Major Professor: Maurilio Rodriguez-Lanetty, Biological Sciences, CAS) ◆ Md Salauddin Ahmed (Major Professor: Joongho Moon, Chemistry and Biochemistry, CAS) ◆ Nan Cao (Major Professor: Yuk Cing Tse-Dinh, Chemistry and Biochemistry, CAS) ◆ Maria Areza (Major Professor: Fernando Noriega, Biological Sciences, CAS)

	<ul style="list-style-type: none"> ◆ Tanja Zerulla (Major Professor: Bill Stoddard, Biological Sciences, CAS) ◆ Jorge Luis Perez-Moreno (Major Professor: Heather Bracken-Grissom, Biological Sciences, CAS) ◆ Sahar Ajabshir (Major Professor: Fatma Huffman, Dietetics and Nutrition, Public Health) ◆ Mehul Jani (Major Professor: Rajeev Azad, University of North Texas, Denton)
--	---

Herbert Wertheim College of Medicine (COM) Service	
---	--

5	Curriculum Committee: curriculum for biomedical sciences certificate.
---	---

2013-2014	
------------------	--

University Service	
---------------------------	--

1	Committee Member, Selection Committee for President's Council WorldsA head Faculty Award
---	--

2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
---	---

3	Martin Luther King Jr Commemorative Celebration Committee <ul style="list-style-type: none"> ◆ Chair, College Liasion
---	--

4	The Program for Study of Spirituality, College of Arts and Sciences <ul style="list-style-type: none"> ◆ Co-Director for the Image and Development Committee ◆ Hosted two events <ul style="list-style-type: none"> ○ The Spirituality of Indian Carnatic Music by G.S. Mani, Oct. 4, 2013 ○ The Science and Medicine behind Yogic Breathing, Feb 6, 2014
---	--

5	Graduate Committee: <ul style="list-style-type: none"> ◆ Pratik Nyati (Major Professor: Fernando Noriega, Biological Sciences, CAS) ◆ Tanya Brown (Major Professor: Mauricio Rodriguez-Lanetty, Biological Sciences, CAS) ◆ Md Salauddin Ahmed (Major Professor: Joongho Moon, Chemistry and Biochemistry)
---	---

Herbert Wertheim College of Medicine (COM) Service	
---	--

6	Interview panel for COM Admission
---	-----------------------------------

2012-2013	
------------------	--

University Service	
---------------------------	--

1	Committee Member, Selection Committee for President's Council WorldsA head Faculty Award
---	--

2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
---	---

3	Martin Luther King Jr Commemorative Celebration Committee <ul style="list-style-type: none"> ◆ Co-Chair, Fund Raising - helped to initiate the endowment for the Youth Forum ◆ Chair, College Liasion ◆ Chair, Entertainment committee – identified artists for the various performances ◆ Chair of Museum Committee – curated MLK@THE FROST. Raised the funding necessary. ◆ Program committee ◆ Video Committee
---	---

4	The Program for Study of Spirituality, College of Arts and Sciences <ul style="list-style-type: none"> ◆ Co-Director for the Image and Development Committee ◆ Hosted two events <ul style="list-style-type: none"> ○ Tinkering with human DNA with Director Laura Furcic – a documentary followed by a panel discussion. ○ Perceiver and Perceived by Dean Reddi
---	--

5	FIU Diversity Week Committee
---	------------------------------

	Graduate Committee: <ul style="list-style-type: none"> ◆ Pratik Nyati (Major Professor: Fernando Noriega, Biological Sciences, CAS) ◆ Tanya Brown (Major Professor: Mauricio, Biological Sciences, CAS)
--	---

Herbert Wertheim College of Medicine (COM) Service	
6	Interview panel for 2011 COM Admission
7	Graduate Committee – Chair of Student Affairs
8	Womens Committee
9	Diversity Committee
2011-2012	
University Service	
1	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
2	<p>Martin Luther King Jr Commemorative Celebration Committee</p> <ul style="list-style-type: none"> ◆ CoChair - Fund Raising – helped to establish the endowment for the scholarship ◆ Chair, Entertainment committee – identified artists for the various performances ◆ Chair of Museum Committee – curated MLK@THE FROST. Raised the funding necessary. ◆ Program committee ◆ Video Committee
3	<p>The Program for Study of Spirituality, College of Arts and Sciences</p> <ul style="list-style-type: none"> ◆ Chaired "Evening of Reflection and Recognition" ◆ Co-Director for the Image and Development Committee
4	FIU Diversity Week Committee
5	<p>Graduate Committee:</p> <ul style="list-style-type: none"> ◆ Aparna Malladi (Major Professor: Stan Wnuk, Chemistry & Biochemistry, CAS) ◆ Pratik Nyati (Major Professor: Fernando Noriega, Biological Sciences, CAS)
Herbert Wertheim College of Medicine (COM) Service	
6	Curriculum Committee: Continued developing the Year 1 and Year 2 curriculum.
7	Interview panel for 2011 HWCOM Admission
8	Search & Screen Committee for Basic Science Faculty Hiring
9	Graduate Committee
10	Womens Committee
11	Diversity Committee
2010-2011	
University Service	
1	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
2	<p>Martin Luther King Jr Commemorative Celebration Committee</p> <ul style="list-style-type: none"> ◆ Member of Fund Raising – established the endowment for the scholarship ◆ Entertainment committee – identified artists for the various performances that included Dr. Leo Casino ◆ Chair of Museum Committee – curated MLK WorldsAhead@THE FROST. Raised the funding necessary.
3	<p>The Program for Study of Spirituality, College of Arts and Sciences</p> <ul style="list-style-type: none"> ◆ Chaired the year-long strategic planning session ◆ Organized the annual board meeting that unveiled the new vision and mission ◆ Co-Director for the Image and Development Committee
4	FIU Diversity Week Committee
5	Graduate Committee:

	<ul style="list-style-type: none"> ◆ Aparna Malladi (Major Professor: Stan Wnuk, Chemistry & Biochemistry, CAS) ◆ Pratik Nyati (Major Professor: Fernando Noriega, Biological Sciences, CAS)
Herbert Wertheim College of Medicine (COM) Service	
6	Curriculum Committee: Continued developing the Year 1 and Year 2 curriculum.
7	Interview panel for 2011 COM Admission
8	Search & Screen Committee for Basic Science Faculty Hiring
9	CME Committee
10	Graduate Committee
11	Diversity Committee
2009-2010	
University Service	
1	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
2	WORKSHOP: How to critique a paper? How to write a thesis? June, 2010, McNair Program
3	Strategic Planning Chair, Program of Spirituality, College of Arts and Science
4	Graduate Committee: <ul style="list-style-type: none"> ◆ Aparna Malladi (Major Professor: Stan Wnuk, Chemistry & Biochemistry, CAS)
Herbert Wertheim College of Medicine (COM) Service	
5	Search and Screen Committee for Faculty Hiring
6	Curriculum Committee: Continued developing the Year 1 and Year 2 curriculum.
7	Admission Committee: Member of admission committee charged with identifying the inaugural class
8	Coordinator for College of Medicine Distinguished Seminar Series
2008-2009	
University Service	
1	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee – Committee hosted the second dinner honoring the past awardees and raised money
2	Faculty Advisor, Delta Phi Omega
3	Search and Screen Committee, Department of Biomedical Engineering
4	Access and Equity Committee
5	One-day Symposium for Faculty across campus interested in Binanosensing.
6	WORKSHOP: How to make effective oral and poster presentations? How to critique a paper? How to write a thesis? June, 2008
7	Graduate Committees: <ul style="list-style-type: none"> ◆ Behmoush Memari (Major Professor: Ken Furton, Chemistry & Biochemistry, College of Arts and Sciences (CAS)) – defended her dissertation on 10/2008 ◆ Erliang Zeng (Major Professor: Giri Narasimhan, Computer Science, College of Engineering (COE)) – defended his dissertation on 6/2008 ◆ Aparna Malladi (Major Professor: Stan Wnuk, Chemistry & Biochemistry, CAS) ◆ Harindra Vedala (Major Professor: Wonbong Choi, Material Science Engineering, COE) – defended his dissertation in Spring 2009
Herbert Wertheim College of Medicine (COM) Service	
8	Search and Screen Committee

9	Curriculum Committee: Continued developing the Year 1 and Year 2 curriculum.
10	Admission Committee: Member of admission committee charged with identifying the inaugural class
11	Organizer, COM Distinguished Seminar Series
12	United Way Ambassador
13	Library Search Subcommittee
14	Web development, College of Medicine

2007-2008

University Service

1	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
2	Faculty Advisor, Delta Phi Omega
3	Search and Screen Committee, Department of Biomedical Engineering
4	WORKSHOP: How to make effective oral and poster presentations? How to critique a paper? How to write a thesis? June, 2008
5	Graduate Committees: <ul style="list-style-type: none"> ◆ Erliang Zeng (Major Professor: Giri Narasimhan, Computer Science, COE) ◆ Harindra Vedala (Major Professor: Wonbong Choi, Material Science Engineering, COE) – defended his dissertation proposal in Spring 2008

Herbert Wertheim College of Medicine (COM) Service

6	Search and Screen Committee: Participated in the selection and hosting the candidates
7	Curriculum Committee: As the Course Director of Microbes Infection & Immunology have been working on the curriculum and identifying all the teachers. Also participated in nearly every workshop and meeting organized.
8	Library Search Subcommittee, College of Medicine
9	Seminar Host: Hosted 4 speakers (Lory, Harvard; Gonzales, Columbia; Silver, ex-Merck Scientist; and Grab, Johns Hopkins). Involved scheduling their travel, arranging their itinerary and ensuring a smooth visit.

College of Arts and Sciences (CAS) Service

10	Biomedical and Behavioral Sciences Committee
11	Graduate Committees: <ul style="list-style-type: none"> ◆ Behmoush Memari (Major Professor: Ken Furton, Chemistry & Biochemistry) ◆ Shweta Mandumula (Major Professor: Watson Lees, Chemistry & Biochemistry) – defended her project proposal on 11/2007

2006-2007

University Service

1	Founding Medical Dean Search Committee
2	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
3	WORKSHOP: The importance of research to entering graduate school; Components of a research paper; and How to make effective presentations?. Presenters: Dr. Weeks, Dr. Mathee; June, 2007
4	Faculty Advisor. Delta Phi Omega
5	Tenure and Promotion Committee, Department of Epidemiology and Biostatistics, School of Public Health.

6	Master Teachers Search Committee, College of Medicine.
7	Search and Screen Committee, College of Medicine
8	Graduate Committees: <ul style="list-style-type: none"> ◆ Erliang Zeng (Major Professor: Giri Narasimhan, Computer Science, COE) ◆ Harindra Vedala (Major Professor: Wonbong Choi, Material Science Engineering, COE)– defended his dissertation proposal in Spring 2008
College of Arts and Sciences (CAS) Service	
9	Graduate Committees: <ul style="list-style-type: none"> ◆ Behmoush Memari (Major Professor: Ken Furton, Chemistry & Biochemistry) – Qualifying Exam ◆ Aparna Malladi (Major Professor: Stan Wnuk, Chemistry & Biochemistry) ◆ Rebecca Samul (Major Professor: Fenfei Leng, Chemistry & Biochemistry) – defended her thesis in Spring 2007
2005-2006	
University Service	
1	University Access and Equity Committee Member
2	Judge (Oral Presentations), FIU Graduate Forum
3	Faculty Advisor, Delta Phi Omega. Hosted the second South Asian Night to raise money for a Child Literacy Program
4	WORKSHOP: The importance of research to entering graduate school; Components of a research paper; and How to make effective presentations? Presenters: Dr. Weeks, Dr. Mathee; June, 2006
5	Faculty Advisor, Robert J. Smiddy Memorial Endowment Fund Award Committee
6	Graduate Committee: <ul style="list-style-type: none"> ◆ Nandini Duraiswamy (Major Professor: Richard Schoepster, Biomedical Engineering) – Defended her dissertation in Fall 2005
College of Arts and Sciences (CAS) Service	
8	IFRI Graduate Committee
9	IFRI Strategic Plan and Steering Committee - Accountability and Planning
10	Graduate Committees: <ul style="list-style-type: none"> ◆ Erliang Zeng (Major Professor: Giri Narasimhan, Computer Science) ◆ Behmoush Memari (Major Professor: Ken Furton, Chemistry) ◆ Rebecca Samul (Major Professor: Fenfei Leng, Chemistry) ◆ Lorraine Edwards (Major Professor: Fenfei Leng, Chemistry) – defended her thesis in Spring 2006
Department of Biological Sciences, College of Arts and Sciences (CAS) Service	
11	Glaser Committee
12	Award Committee
13	Graduate committee <ul style="list-style-type: none"> ◆ Robin McCallum (Major Professor: John Makemson) – defended his thesis in Summer 2005
2004-2005	
University Service	
1	Establishment of Robert J Smiddy Research Memorial Award: Following the untimely demise of Robert J Smiddy, a committee was formed to establish a Memorial Award. I serve as the faculty advisor. The committee hosted (i) two fund-raising events, (ii) Contacted Miami Herald and MDCC Catalyst to get the word out, and (iii) succeeded in raising \$10,000 to initiate the account.

2	Associate Director Presidential Lecture Series (PLS) (www.fiu.edu/pls) (till Summer 2005)
3	University Access and Equity Committee Member
4	Judge (Oral Presentations), FIU Graduate Forum, March 9, 2005
5	Faculty Advisor. Delta Phi Omega. Hosted the second South Asian Night to raise money for a Child Literacy Program
6	Judge (Oral Presentation and Research Report), Ronald E. McNair Second Annual McNair Post Baccalaureate Achievement Program 2005 Summer Research Institute Closing Ceremony. Florida International University. July 29, 2005
7	WORKSHOP: The Importance of Research to Entering Graduate School- Components of the Research Paper. Presenters: Dr. Weeks, Dr. Mathee June 3, 2005
College of Arts and Sciences (CAS) Service	
8	IFRI Strategic Plan and Steering Committee
9	IFRI Graduate Committee
10	Graduate Committees: <ul style="list-style-type: none"> ◆ Chengyong Yang (Major Professor: Giri Narasimhan, Computer Science) – Defended his dissertation in Apr 2005 ◆ Tom Milledge (Major Professor: Giri Narasimhan, Computer Science) ◆ Behmoush Memari (Major Professor: Ken Furton, Chemistry) ◆ Lorraine Edwards (Major Professor: Fenfei Leng, Chemistry)
Department of Biological Sciences, College of Arts and Sciences (CAS) Service	
1	Glaser Committee
2	Ph. D. in Forensic Biology Tract Committee
3	Graduate Committees: <ul style="list-style-type: none"> ◆ Davecia Ragoonath (Major Professor: Laurie Richardson) – defended her thesis in Spring 2005 ◆ Robin McCallum (Major Professor: John Makemson) ◆ Sonia Rodriguez (Major Professor: Lidia Kos)
2003-2004	
University Service	
1	University Access and Equity Committee Member
2	Presidential Lecture Series (PLS) Associate Director
3	Judge (Oral and Poster Presentations), FIU Graduate Forum, April 7, 2004
4	Faculty Advisor. Delta Phi Omega. Hosted the second South Asian Night to raise money for a Child Literacy Program
College of Arts and Sciences (CAS) Service	
5	IFRI Graduate Committee
6	Member of Search Committee to hire a Forensic Scientist in Chemistry Department
7	Participated in the IFRI Inspection and Accreditation by FEPAC (Nov 2003)
8	Graduate Committees: <ul style="list-style-type: none"> ◆ Tom Milledge (Major professor: Giri Narasimhan, Computer Science) - Thesis proposal and seminar Spring 2004 (4/26/2004) ◆ Lorraine Edwards (Major Professor: Fenfei Leng, Chemistry) - Thesis proposal and seminar in Spring 2004 (3/19/2004)

Department of Biological Sciences, College of Arts and Sciences (CAS) Service	
9	Molecular and Cellular Biology (MCB) Search and Screen Committee
10	Marine Biopharmacology Search and Screen Committee Chair
11	Glaser Committee
12	Participated in designing Microbiology Curriculum
13	Graduate Committees: <ul style="list-style-type: none"> ◆ Davecia Ragoonath (Major Professor: Laurie Richardson) - Qualifying Exam and Thesis Proposal Seminar on 1/12/04 ◆ Robin McCallum (Major Professor: John Makemson) ◆ Yin Je (Major Professor: Frank Joachim) - 1st Committee Meeting 3/5/04 ◆ Sonia Rodriguez (Major Professor: Lidia Kos)
2002-2003	
University Service	
1	University Access and Equity Committee Member
2	Spring 2003 Presidential Lecture Series (PLS) Coordinator Successfully launched the PLS website (www.fiu.edu/pls)
3	International Forensic Research Institute (IFRI) Certificate Program Advisor
4	Faculty Advisor. Delta Phi Omega. Hosted the first South Asian Night to raise money for a Child Literacy Program
College of Arts and Sciences (CAS) Service	
6	Member of Search Committee to hire a Biochemist in Chemistry Department
7	IFRI Graduate Committee
8	IFRI Certificate Program Advisor
9	Member of Search Committee to hire a Forensic Scientist in Chemistry Department
10	IFRI Strategic Plan and Steering Committee (Summer 2003)
11	Graduate Committees: <ul style="list-style-type: none"> • Lara Coronel (Major Professor: Gary Rand, Environmental Science) • Eric Wu (Major Professor: Giri Narasimhan, Computer Science)
Department of Biological Sciences, College of Arts and Sciences (CAS) Service	
12	Molecular and Cellular Biology (MCB) Search and Screen Committee
13	Glaser Committee
14	Health and Life Sciences Phase II
15	Graduate committees: <ul style="list-style-type: none"> ◆ Erika Reatagui (Major Professor: Rene Herrera) ◆ Davecia Ragoonath (Major Professor: Laurie Richardson) ◆ Michael Walker (Major Professor: Laurie Richardson) ◆ Robin McCallum (Major Professor: John Makemson) – Committee Meeting ◆ Sonia Rodriguez (Major Professor: Lidia Kos)
2001-2002	
University Service	
1	University Access and Equity Committee Member

2	<p>Presidential Seminar Series Committee/Distinguished Women in Science Series</p> <ul style="list-style-type: none"> ◆ Along with Women Center, hosted Prof. Laurie Glimcher, Irene Heinz Given Professor of Immunology in the Department of Immunology and Infectious Diseases. Recipient of the 2001 Excellence in Science Award from the Federation of American Societies for Experimental Biology (FASEB).
3	Department of Biomedical Engineering Search & Screen Committee for two Endowed chairs
4	Curriculum committee: BS and MS in Biomedical Engineering (New program proposal)
5	Faculty Advisor. Helped to establish the first Florida South Asian Sorority, Delta Phi Omega in FIU
6	FIU Mentoring Partnerships Program Participant: Worked one-on-one with a student
7	Research Opportunities in Biological Sciences: In collaboration with Honors college, I organized a one-day session with 10 speakers.
College of Arts and Sciences (CAS) Service	
8	Member of Search Committee to hire a Biochemist in Chemistry Department
9	Member of College Budget Committee
10	International Forensic Research Institute (IFRI) Graduate Committee
11	IFRI Certificate Program Advisor
12	<p>Graduate Committee:</p> <ul style="list-style-type: none"> • Tom Milledge (Major Professor: Giri Narasimhan, Computer Science)
Department of Biological Sciences, College of Arts and Sciences (CAS) Service	
13	Molecular and Cellular Biology (MCB) Search and Screen Committee
14	Curriculum Committee – Chair
15	Member of Department Budget Committee
16	Member of Glaser Committee
17	Member of Graduate Admission Committee
18	<p>Graduate Committees:</p> <ul style="list-style-type: none"> ◆ Robin McCallum (Major Professor: John Makemson) ◆ Sonia Rodriguez (Major professor: Lidia Kos) ◆ Michael Walker (Major Professor: Laurie Richardson)
2000-2001	
University Service	
1	Distinguished Women in Science Series
2	<p>The Presidential Seminar Series 2001 Committee</p> <ul style="list-style-type: none"> ◆ Along with Biology Seminar Series, I hosted Dr. Gunther Stent, Professor of Molecular Biology at the University of California, Berkeley, Member of the National Academy of Sciences and The Editor of THE DOUBLE HELIX by Jim Watson.
College of Arts and Sciences (CAS) Service	
3	Member of Search Committee to hire a Biochemist in Chemistry Department
4	Member of College Budget Committee
5	International Forensic Research Institute (IFRI) Graduate Committee
6	Prokaryotic Interest Group (PIG): www.fiu.edu/~PIG . Dr. Jay and I spearheaded the formation of The PIG group to bring together scientist interested in learning new molecular tools. We met on weekly basis and hosted four distinguished speakers

Department of Biological Sciences, College of Arts and Sciences (CAS) Service	
7	Member of Search Committee to hire a Molecular/Cellular Biologist.
8	Member of Structure/Direction of the Department of Biological Sciences' Committee
9	Member of Biology Symposium Award Team
10	Member of Curriculum Committee
11	Member of Budget Committee
12	Member of The Glaser Committee
13	Established the Biological Sciences Distinguished Seminar Speaker Series: Departmental Distinguished Seminar Series . Raised fund and sponsors worth nearly \$8,000 in Fall 2000 to run the seminar series. Continued to host many Distinguished speakers in Spring 2001.
14	Graduate committees: <ul style="list-style-type: none"> ◆ Robin McCallum (Major Professor: John Makemson) ◆ Sonia Rodriguez (Major professor: Lidia Kos) ◆ Michael Walker (Major Professor: Laurie Richardson)
1999-2000	
Department of Biological Sciences, College of Arts and Sciences (CAS) Service	
1	Member of Structure/Direction of the Department of Biological Sciences' Committee
2	Search Committee to hire a Molecular/Cellular Biologist
3	Member of Molecular and Cellular Biology Curriculum Committee