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### EDUCATION:

1995	Habilitation	Chemistry, Organic and Bioorganic Chemistry. Adam Mickiewicz University, Poznan, Poland.
1983	Ph.D.	Chemistry, Organic Chemistry. Adam Mickiewicz University, Poznan, Poland.
1976	B.Sc./M.Sc.	Chemistry, Technology of Organic Synthesis. Polytechnic University of Poznan, Poland.

### PROFESSIONAL EMPLOYMENT:

1997-*	Florida International University: Professor of Chemistry, Chair (2002-2008). Department of Environmental & Occupational Health, Interim Chair (2013-2014) Associate Dean for Research, Robert Stempel College of Public Health & Social Work (2014-present)
1990-97	Brigham Young University, Department of Chemistry and Biochemistry, Provo, UT: Visiting Professor (1990), Research Associate in Chemistry (1992), Research Associate Professor of Chemistry (1994).
1985-86	University of Alberta, Department of Chemistry, Edmonton, Canada: Post-doctoral Fellow in Chemistry.
1983-90	University of Life Sciences, Chemistry Department, Poznan, Poland: Assistant (1983), Assistant Professor (1986).

### RESEARCH INTERESTS:

Organic chemistry of nucleosides with applications in biochemistry and in anticancer and antiviral medicine. Research involving invention of mechanism-based inhibitors of enzymes vital to cancer cell and/or virus proliferation, and collaborative biochemical evaluation. Another area focuses on new fluorination, radical desulfonylation, and Pd-catalyzed cross-coupling methodologies.

### AWARDS:

1984	Polish Ministry of Education Award for the Outstanding Ph.D. Thesis
1988	University of Life Sciences, Teaching Award
1989	Polish Ministry of Education Research Award
2000	Florida International University Faculty Award for Excellence in Research
2003	Florida International University, Graduate Faculty
2004	Florida International University, Honors College Research Faculty
2004	McNair Post Baccalaureate Achievement Program Faculty
2008	Honorary Professorship in Chemistry bestowed by the President of Polish Republic
2012	Florida International University Provost Award for Excellence in Mentorship

### PROFESSIONAL SOCIETIES:

Polish Chemical Society (1980)  
American Chemical Society, Carbohydrate and Organic Divisions (1997)  
International Society for Nucleosides, Nucleotides and Nucleic Acids (2000)  
COST Chemistry CM0603, Free Radicals in Chemical Biology (2009)  
Guest Editor for *Nucleosides Nucleotides & Nucleic Acids* (2009)

## RESEARCH SUPPORT:

American Heart Association, Florida & Puerto Rico Affiliate.  
NIH (MBRS RISE, MARC-U\*STAR, SCORE and SC1 programs)  
NSF (REU program)  
DOD Instrumentation Program for Hispanic-Serving Institutions  
Diazyme Laboratories, San Diego, CA.  
Sunol Molecular Corporation, Miramax, FL  
Walter Reed Army Institute of Research, Silver Spring, MA  
Oversea Scholarship Program of Shaanxi Normal University  
European Union/Wroclaw University Internship Program

**COURSES TAUGHT:** Organic Chemistry, Advanced Organic Chemistry, Spectroscopic Techniques and Structure Elucidation, Organic Synthesis, Organic Chemistry of Nucleic Acids.

**MENTORING:** In my over 18 years career at FIU, I have mentored a number of undergraduate (65), and graduate (25) students as well as visiting research associates from around the world (15).

**PUBLICATIONS** (ca 130) mainly in major international journals. Oral presentations, published abstracts & proceedings of scientific meetings lectures (ca. 115) and invited lectures (ca. 65).

134. C. Gonzalez, S. Kavooosi, A. Sanchez. S. F. Wnuk, "Reduction of Sugar Lactones to hemiacetals with Lithium Triethylborohydride." *Carbohydr. Res.* **432**, 17-22 (2016).  
<http://dx.doi.org/10.1016/j.carres.2016.06.002>
133. Y. Liang, S. H. Suzol, Z. Wen, A. G. Artilles, L. Mathivathanan, R. Raptis, S. F. Wnuk, "Uracil Nucleosides with Reactive Group at C5 position: 5-(1-Halo-2-sulfonylvinyl)uridine Analogues." *Org. Lett.* **18**, 1418-1421 (2016). <http://doi:10.1021/acs.orglett.6b00346>
132. R. Rayala, A. Giuglio-Tonolo, J. Broggi, T. Terme, P. Vanelle, P. Theard, M. Médebielle, S. F. Wnuk, "Studies toward the oxidative and reductive activation of C-S bonds in 2'-S-aryl-2'-thiouridine derivatives." *Tetrahedron*, **72**, 1969-1977 (2016). <http://dx.doi.org/10.1016/j.tet.2016.02.063>
131. C. Chbib, A J. Sobczak, M. Mudgal, C. Gonzalez, D. Lumpuy, J. Nagaj, K. Stokowa-Soltys, S. F. Wnuk, "S-Ribosylhomocysteine Analogues Modified at the Ribosyl C-4 Position." *J. Sulfur Chem.* **37**, 307-327 (2016). <http://dx.doi.org/10.1080/17415993.2015.1137921>
130. A. J. Sobczak, C. Chbib, S. F. Wnuk, "S-Ribosylhomocysteine Analogs Containing a [4-Thio]ribose Ring" *Carbohydr. Res.* **415**, 39-47 (2015). <http://doi:10.1016/j.carres.2015.07.005>
129. J. Zayas, M. Annoual, J. K. Das, Q. Felty, W. G. Gonzalez, J. Miksovska, N. Sharifai, A. Chiba, S. F. Wnuk, "Strain Promoted Click Chemistry of 2- or 8-Azidopurine and 5-Azidopyrimidine Nucleosides and 8-Azidoadenosine Triphosphate with Cyclooctynes. Application to Living Cell Fluorescent Imaging." *Bioconj. Chem.* **26**, XXXX-XXXX (2015). <http://doi:10.1021/acs.bioconjchem.5b00300>
128. Y. Liang, S. F. Wnuk, "Modification of Purine and Pyrimidine Nucleosides by Direct C-H Bond Activation" *Molecules*, **20**, 4874-4901 (2015). <http://doi:10.3390/molecules20034874>
127. A. Adhikary, A. Kumar, R. Rayala, R. M. Hindi, A. Adhikarya, S. F. Wnuk, and M. D. Sevilla, "A One-electron oxidation of Gemcitabine and analogs: Mechanism of formation of C3' and C2' sugar radicals." *J. Am. Chem. Soc.* **136**, 15646-15653 (2014); <http://pubs.acs.org/doi/pdf/10.1021/ja5083156n>
126. R. Rayala, P. Theard, H. Ortiz, S. Yao, J. D. Young, J. Balzarini, M. J. Robins, S. F. Wnuk, "Synthesis of Purine and 7-Deazapurine Nucleoside Analogues of 6-N-(4-Nitrobenzyl)adenosine; Inhibition of Nucleoside Transport and Proliferation of Cancer Cells." *ChemMedChem.* **9**, 2186-2192 (2014).  
<http://dx.doi.org/10.1002/cmdc.201402047>

125. Y. Liang, J. Gloudeman, S. F. Wnuk, "Palladium-Catalyzed Direct Arylation of 5-Halouracils and 5-Halouracil Nucleosides with Arenes and Heteroarenes Promoted by TBAF." *J. Org. Chem.* **79**, 4094-4103 (2014). <http://dx.doi.org/10.1021/jo500602p>
124. M. Zhu, Z.-T. Zhang, D. Xue, H. Hua, Y. Liang, S. F. Wnuk, "Synthesis of 1-Amino-3-cyano-5,6-diaryl-2-pyridones and 6,7-diaryl-4-Cyano-3-hydroxy-1*H*-1,2-diazepines from Isoflavones" *Helv. Chim. Acta.* **97**, 561-568, (2014). <http://onlinelibrary.wiley.com/doi/10.1002/hlca.201300246/abstract>
123. A. Díaz, E. Martínez, L. Puerta, D. Méndez, E. Rodríguez, L. Fang, S. Wnuk, R. Vivas-Reyes, "CoMSIA study to design antagonist ligands for LuxS protein" *New J. Chem.* **38**, 1235-1249 (2014). <http://dx.doi.org/10.1039/c3nj01162c>
122. J. Pulido, A. Sobczak, J. Balzarini, S. F. Wnuk, "Synthesis and Cytostatic Evaluation of 4-*N*-Alkanoyl and 4-*N*-Alkyl Gemcitabine Analogues." *J. Med. Chem.* **57**, 191-203 (2014). <http://dx.doi.org/10.1021/jm401586a>
121. M. Zhu, Z.-T. Zhang, D. Xue, J. Qiao, Y. Liang, S. F. Wnuk, "Synthesis of 5,6-Diaryl-2-pyridones from Isoflavones." *Chin. J. Chem.* **31**, 1027-1032, (2013). <http://dx.doi.org/10.1002/cjoc.201300279>.
120. Y. Liang, J.-P. Pitteloud, S. F. Wnuk, "Hydrogermylation of 5-ethynyluracil nucleosides: Formation of 5-(2-germylvinyl)uracil and 5-(2-germylacetyl)uracil nucleosides." *J. Org. Chem.* **78**, 5761-5767, (2013) <http://dx.doi.org/10.1021/jo400590z>,
119. A. Adhikary, A. Kumar, A. N. Heizer, B. J. Palmer, V. Pottiboyina, Y. Liang, S. F. Wnuk, M. D. Sevilla, "Hydroxyl ion addition to one-electron oxidized thymine: Unimolecular interconversion of C5 to C6 OH-adducts." *J. Am. Chem. Soc.* **135**, 3121-3135 (2013). <http://dx.doi.org/10.1021/ja310650n>
118. V. L. Malladi, L. Schneper, A.J. Sobczak, K. Mathee, S. F. Wnuk, "2-Methylthiopyrrolidines and their use for modulating bacterial quorum sensing" Patent WO 2012/174511 A1.
117. T. P. Dang, A. J. Sobczak, A. M. Mebel, C. Chatgililoglu, S. F. Wnuk, "Investigation of reactions postulated to occur during inhibition of ribonucleotide reductases by 2'-azido-2'-deoxynucleotides." *Tetrahedron*, **68**, 5665-5667 (2012).
116. A. Shokar, A. Au, S. H. An, J. Zayas, S. F. Wnuk, K. M. Land, "Adenosylhomocysteine hydrolase of the protozoan parasite *Trichomonas vaginalis*: Potent inhibitory activities of 9-(2-deoxy-2-fluoro- $\beta$ ,D-arabinofuranosyl)adenine." *Bioorg. Med. Chem. Lett.* **22**, 4203-4205 (2012).
115. R. Rayala, S. F. Wnuk, "Bromination at C-5 of Pyrimidine and C-8 of Purine Nucleosides with 1,3-Dibromo-5,5-dimethylhydantoin." *Tetrahedron Lett.* **53**, 3333-3336 (2012)
114. S. F. Wnuk, J. A. K. Penjarla, T. Dang, A. M. Mebel, T. Nauser, C. Schöneich, "Modeling of the Ribonucleotide Reductases Substrate Reaction. Hydrogen Atom Abstraction by a Thiyl Free Radical and Detection of the Ribosyl-based Carbon Radical by Pulse Radiolysis. *Coll. Czech. Chem. Commun.* **76**, 1223-1238 (2011).
113. V. L. Malladi, A.J. Sobczak, N. Maricic, S. K. Murugapiran, L. Schneper, J. Makemson, K. Mathee, S. F. Wnuk, "Substituted Lactam and Cyclic Azahemiacetals Modulate *Pseudomonas aeruginosa* Quorum Sensing." *Bioorg. Med. Chem.* **19**, 5500-5506 (2011).
112. V. L. Malladi, A. J. Sobczak, T. M. Meyer, D. Pei, S. F. Wnuk, "Inhibition of LuxS by *S*-Ribosylhomocysteine Analogues Containing a [4-Aza] Ribose Ring." *Bioorg. Med. Chem.* **19**, 5507-5519 (2011).
111. J.-P. Pitteloud, Y. Liang, S. F. Wnuk, "Chemoselective transfer of Allyl or Phenyl Group from Allyl(phenyl)germanes in Pd-catalyzed Reactions with Aryl Halides." *Chem. Lett.* **40**, 967-969 (2011).
110. J.-P. Pitteloud, Z.-T. Zhang, Y. Liang, L. Cabrera, S. F. Wnuk, "Fluoride-Promoted Cross-Coupling of Chloro(mono-, di-, or triphenyl)germanes with Aryl Halides in "Moist" Toluene. Multiple Transfer of the Phenyl Group from Organogermane Substrates and Comparison of the Coupling Efficiencies of Chloro(phenyl)germanes with their Corresponding Stannane and Silane Counterparts." *J. Org. Chem.* **75**, 8199-8212 (2010).

109. P. J. Dornbush, G. Vazquez-Anaya, A. Shokar, S. Nguyen, M. Rapp, S.F. Wnuk, L.A. Wrischnik, K.M. Land. AdoHcy Hydrolase of *Trichomonas vaginalis*: Studies of the effects of 5'-modified adenosine analogues and related 6-*N*-cyclopropyl derivatives." *Bioorg. Med. Chem. Lett.* **20**, 7466-7468 (2010).
108. Z-T. Zhang, J.-P. Pitteloud, L. Cabrera, Y. Liang, M. Turibio, S. F. Wnuk, "Arylchlorogermanes/TBAF/"Moist" toluene: A promising combination for Pd-catalyzed Germyl-Stillé Cross-coupling: *Org. Lett.* **10**, 816-819 (2010)
107. S. F. Wnuk, J. Robert, B. P. Meyers, A. J. Sobczak, J. Zhu, B. Gopishetty, D. Pei, "Inhibition of S-ribosylhomocysteinase (LuxS) by Substrate Analogues Modified at the Ribosyl C-3 Position" *Bioorg. Med. Chem.* **17**, 6699-6706 (2009).
106. P. R. Sacasa, J. Zayas, S. F. Wnuk, "Radical-mediated thiodesulfonylation of the vinyl sulfones: Access to ( $\alpha$ -fluoro)vinyl sulfides", *Tetrahedron Lett.* **50**, 5424-5427 (2009)
105. S. F. Wnuk, P. R. Sacasa, J. Restrepo, "Application of germyl-desulfonylation reactions to the synthesis of germanium-containing nucleoside analogues" *Nucleosides Nucleotides & Nucleic Acids*, **24**, 537-549 (2009).
104. P. K. R. Nair, S. J. Melnick, S. F. Wnuk, M. Rapp, E. Escalon, C. Ramachandran, "Isolation and Characterization of an Anticancer Catechol Compound from *Semecarpus anacardium*", *J. Ethnopharmacol.* **124**, 450-456 (2009).
103. M. Rapp, X. Cai, W. Xu, W. R. Dolbier, Jr., S. F. Wnuk, "Reactions of fluorosulfonyldifluoroacetate with Purine and Pyrimidine Nucleosides", *J. Fluorine Chem.* **130**, 321-328 (2009).
102. B. Gopishetty, J. Zhu, R. Rajan, A. Sobczak, S. F. Wnuk, C. E. Bell, D. Pei, "Probing the Catalytic Mechanism of S-Ribosylhomocysteinase (LuxS) with Catalytic Intermediates and Substrate Analogues" *J. Am. Chem. Soc.* **131**, 1243-1250 (2009).
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100. S. F. Wnuk, P. R. Sacasa, E. Lewandowska, D. Andrei, S. Cai, R. T. Borchardt, "Synthesis of 5'-functionalized nucleosides: S-Adenosylhomocysteine analogues with the Carbon-5' and Sulfur Atoms Replaced by a Vinyl or Halovinyl Unit" *Bioorg. Med. Chem.* **16**, 5424-5433 (2008)
99. S. F. Wnuk, J. Lalama, C. A. Garmendia, J. Robert, J. Zhu, D. Pei, "S-ribosylhomocysteine analogues with the carbon-5 and sulfur atoms replaced by a vinyl or (fluoro)vinyl unit", *Bioorg. Med. Chem.* **16**, 5090-5102 (2008)
98. Z. Wang, J.-P. Pitteloud, L. Montes, M. Rapp, D. Derane, S. F. Wnuk, "Vinyl Tris(trimethylsilyl)silanes: Substrates for Hiyama Coupling", *Tetrahedron.* **64**, 5322-5327 (2008)
97. S. F. Wnuk, P. R. Sacasa, "(*p*-Toluenesulfonylmethylene)triphenylphosphorane" in Electronic Encyclopedia of Reagents for Organic Synthesis, Paquette, L. A., Crich, D. Eds; Wiley. 2008. pp 7771-7774
96. M. J. Robins, I. Nowak, S. F. Wnuk, F. Hansske, D. Madej, "Deoxygenative [1,2]-Hydride Shift Rearrangements in Nucleoside and Sugar Chemistry: Analogy with the [1,2]-Electron Shift in the Deoxygenation of Ribonucleotides by Ribonucleotide Reductases", *J. Org. Chem.* **72**, 8216-8221 (2007)
95. S. F. Wnuk, J. Lalama, J. Robert, C. A. Garmendia, "Novel S-ribosylhomocysteine analogues as potential inhibitors of LuxS enzyme", *Nucleosides Nucleotides Nucleic Acids* **26**, 1051-1055 (2007)
94. W. Xu, K. A. Abboud, I. Ghiviriga, W. R. Dolbier, Jr., M. Rapp, S. F. Wnuk, "An unexpected reaction of trimethylsilyl fluorosulfonyldifluoroacetate (TFDA) with imidazoles. Formation of *N*-difluoromethyl-thioureas", *Org. Lett.* **8**, 5549-5551 (2006).
93. D. Andrei, S. F. Wnuk, "S-Adenosylhomocysteine Analogues with the Carbon-5' and Sulfur Atoms Replaced by a Vinyl Unit", *Org. Lett.* **8**, 5093-5096 (2006).
92. S. F. Wnuk, J. M. Robins, "Ribonucleotide Reductase Inhibitors as Anti-Herpes Agents" *Antiviral. Res.* **71**, 122-126 (2006).

91. M. Rapp, T. A. Haubrich, J. Perrault, Z. B. Mackey, J. H. McKerrow, P. K. Chiang, S. F. Wnuk, "Antitrypanosomal Activity of 6'-Iodohomovinyl Derivatives of Adenosine and Related 6-*N*-Cyclopropyladenosine Analogues", *J. Med. Chem.* **49**, 2096-2102 (2006).
90. D. Andrei, S. F. Wnuk, "Synthesis of the Multisubstituted Halogenated Olefins via Cross-Coupling of Dihaloalkenes with Alkylzinc Bromides" *J. Org. Chem.* **71**, 405-408 (2006).
89. M. J. Robins, S. F. Wnuk, "Reduction of Ribonucleosides to 2'-Deoxynucleosides" in Current Protocols in Nucleic Acid Chemistry, Jones, R. A., Ed.; John Wiley & Sons, New York, NY, 2005; Supplement 21, Unit 1.11.
88. Z. Wang, S. F. Wnuk, "Pd-catalyzed couplings of ( $\alpha$ -fluoro)vinyl tris(trimethylsilyl)germanes", *Tetrahedron Lett.* **62**, 5313-5316 (2005)
87. J. Fritscher, J. Antonic, S. F. Wnuk, G. Bar, J. H. Robblee, S. Kacprzak, M. Kaupp, R. G. Griffin, M. Bennati, J. Stubbe, "Structure of the nitrogen-centered radical formed during inactivation of *E. coli* ribonucleotide reductase by 2'-azido-2'-deoxyuridine-5'-diphosphate: trapping of the 3'-ketonucleotide", *J. Am. Chem. Soc.* **127**, 7729-7738 (2005).
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84. J.-L. Décout, S. F. Wnuk, "Sugar-modified thionucleosides: Chemistry and inhibition of ribonucleotide reductases and S-adenosyl-L-homocysteine hydrolases" in Frontiers in Nucleic Acids, Schinazi, R. F. and Liotta, D. C., Eds.; IHL Publications, Atlanta, GA, 2004, pp. 235-265.
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- Interaction with *S*-Adenosyl-L-homocysteine Hydrolase and Antiviral and Cytostatic Effects", *J. Med. Chem.* **45**, 2651-2658 (2002).
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1. S. Kinastowski, S. Wnuk, "A Convenient One-Step Synthesis of Ethyl 2-[N-(Diethoxycarbonyl)(ethoxy)-methyl]amino-4-nitrobenzoate and Analogues by Rearrangement of 2,4-Dinitrobenzylidenemalonates", *Synthesis* 654-659 (1983).

#### **INVITED LECTURE/SEMINARS (2000-present):**

Aug. 2000	ACS National Meeting, Carbohydrate and Organic Divisions, Washington, D.C.
Mar. 2001	Chemistry Department, Washington State University, Pullman, WA
Apr. 2001	Institute of BioOrganic Chemistry, Polish Academy of Sciences, Poznan, Poland
July 2001	The 12 <sup>th</sup> European Symposium on Organic Chemistry, Groningen, Holland
July 2001	Chemistry Department Seminar, Adam Mickiewicz University, Poznan, Poland
Oct. 2001	Chemistry Department Seminar, Florida International University, Miami, FL
Apr. 2002	ACS National Meeting, Division of Carbohydrate Chemistry, Orlando, FL.
Nov. 2002	Biological Sciences Departmental Seminar, Florida International University, Miami, FL
Nov. 2002	ACS South Florida Seminar Series, Miami, FL
Feb. 2003	Chemistry Department Seminar, Florida State University, Tallahassee, FL
Mar. 2003	ACS National Meeting, Division of Carbohydrate Chemistry, New Orleans, LA., 2003;
Apr. 2003	1 <sup>st</sup> Conference on Developments in Nucleic Acids: Chemistry, Pharmacology and Medicine. Atlanta, GA
Oct. 2003	Chemistry Department Seminar, University of Florida, Gainesville, FL
Mar. 2004	ACS National Meeting, Organic Chemistry Division, Anaheim, CA.
Mar. 2004	Annual Organic Faculty of Florida Meeting, Orlando, FL.
July 2004	22 <sup>nd</sup> International Carbohydrate Symposium, Glasgow, July.
Mar. 2005	ACS National Meeting, Carbohydrate Division, San Diego, CA
Nov. 2005	Chemistry Department Seminar, Jackson State University, Jackson, MI
Dec. 2005	PacificChem 2005, Symposium of Organic Reactions of Main Group Metal compounds, Honolulu, HI.
Mar. 2006	Chemistry Department Seminar, University of Miami, Miami, FL
Mar 2006	ACS National Meeting, Carbohydrate Division, Atlanta, GA.
Apr. 2006	Annual Organic Faculty of Florida Meeting, Tampa, FL.
Sept. 2006	17 <sup>th</sup> International Round Table Symposium on Nucleosides, Bern, Switzerland

Nov. 2006	ACS Southeastern Regional Meeting, Augusta, GA
Mar. 2007	ACS National Meeting, Carbohydrate Division (Zamoyski Symposium), Chicago, IL
May 2007	Retirement Celebration Seminar for Dr. Robins, Brigham Young University, Provo, UT
Aug. 2007	China Pharmaceutical University, Nanjing, China
Nov. 2007	Chemistry Department Seminar, Florida Atlantic University, Boca Raton, FL
Mar. 2008	ACS National Meeting, Medicinal Chemistry Division, New Orleans, LA., 2008
March 2009	ACS National Meeting, Carbohydrate Division, Salt lake City, UT, 2009
Sept. 2009	The annual meeting of the management and the scientific meeting for COST Chemistry CM0603 for free radicals in chemical biology. Gniezno, Poland, September 2009.
Apr 2010	Chemistry Department Seminar, Oakland University, Rochester, MI
June 2010	Chemistry Department Seminar, Shaanxi Normal University, Xi'an, China
June 2010	Chemistry & Material Sciences Department Seminar, Jiaotong University, Xi'an, China
Sep 2010	19 <sup>th</sup> IRT Conference on Nucleosides, Nucleotides and Nucleic Acids, Lyon, Fr
Dec 2010	European Union -Adam Mickiewicz University Seminar Open Lecture Series, Poznan, PL
March 2011	ACS National Meeting, Organic/Carbohydrate Divisions, San Diego, CA.
July 2012	19 <sup>th</sup> IUPAC Int. Conference on Organic Synthesis (ICOS) in Melbourne, Australia.
Feb 2013	Chemistry and Biological Sciences Department Seminar, Ave Maria University, FL
Apr. 2013	ACS National Meeting, Carbohydrate Division, New Orleans, LA
Aug. 2013	44 <sup>th</sup> IUPAC Word Chemistry Congress, Istanbul, Turkey
Oct. 2013	Chemistry Department Seminar, Florida Atlantic University, Boca Raton, FL
Sept. 2014	21 <sup>st</sup> International Round Table Symposium on Nucleosides, Poznan, Poland

## PRESENTATIONS ON SCIENTIFIC MEETINGS

1. J. Slawinski, S. Wnuk: "Wplyw promieniowania UV na aktywnosc Cytochromu C w modelowym układzie luminol-H<sub>2</sub>O<sub>2</sub>-OH." Szkoła Wiosenna nt: Aktualne problemy fotobiologii; Lublin, 1979. (lecture)
2. S. Kinastowski, S. Wnuk: "Z badan nad mechanizmem reakcji Knoevenagela." Mat. Zjazdu Nauk. PTCh i SITPChem; Krakow, 1980, str. 187. (poster)
3. S. Kinastowski, S. Wnuk: "Nowe aspekty reakcji Knoevenagela pomiedzy 2,4-dinitrobenzaldehydem i estrem malonowym." Mat. Zjazdu Nauk. PTCh i SITPChem; Krakow, 1980, str. 187. (poster)
4. S. Wnuk, S. Kinastowski, E. Kaminski: "Possibilities of synthesis of 1-octen-3-ol; the main flavour component in mushrooms." International Symposium: Flavor Research Concepts and Methods. Programme and abstracts; Rydzyna, 1981, p. 25. (poster)
5. S. Kinastowski, S. Wnuk: "O nienormalnej reakcji Michaela 2,4-dinitrobenzylideno-malonianu dietylu." Mat. Zjazd. Nauk. PTCh i SITPChem; Lublin, 1982, zeszyt B, str. 216. (poster)
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8. S. Kinastowski, S. Wnuk: "Metody syntezy pochodnych kwasu 2-amino-4-nitrobenzoesowego." Mat. III srod. Konf. Chem. Oddzialu PAN; Poznan, 1983, str. 61. (poster)
9. S. Kinastowski, S. Wnuk: "A new method for the preparation of 2-Amino-4-nitrobenzoic acid and derivatives." Abstract in 3<sup>rd</sup> Conference of young scientists on organic and bioorganic chemistry; Bechyne, Czechoslovakia, 1984, p. 72. (lecture)

10. S. Kinastowski, S. Wnuk: "Diethyl 2,4-dinitrobenzylidenomalonates as a protection reagent for sugar". Abstract in IUPAC 14<sup>th</sup> Intern. Symposium on the Chemistry of Natural Products; Poznan, Poland, 1984, p. 337. (poster)
11. P. Golinski, J. Chelkowski, S. Wnuk: "Avenacein Y.–Biosynthesis, extraction, purification and some physicochemical properties of a new toxin produced by *Fusarium* species." Abstract in IUPAC 14<sup>th</sup> Intern. Symposium on the Chemistry of Natural Product; Poznan, Poland, 1984, p. 205. (poster)
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106. Y. Liang, J. Gloudeman, S. F. Wnuk, "TBAF-promoted Pd-catalyzed direct arylation of 5-iodouracil nucleosides." 247<sup>th</sup> ACS National Meeting, Dallas, TX, March 2014; Division of Organic Chemistry (oral presentation).

107. M. Médebielle, R. Rayala, G. Giuglio, J. Broggi, T. Terme, P. Vanelle, S. F. Wnuk, "Studies towards the oxidative and reductive functionalization of 2'-S-(aryl)-2'-fluoro-2'-thiouridine derivatives", 121<sup>st</sup> International Round Table Symposium: Nucleosides, Nucleotides and their Biological Applications. Poznan, Poland; August 2014 (poster).
108. J. Pulido, A. Sobczak, J. Balzarini, N. Satyamurthy, C. Radu, S. F. Wnuk, "Synthesis and cytostatic evaluation of 4-n-alkanoyl and 4-n-alkyl gemcitabine analogues suitable for positron emission tomography." 121<sup>st</sup> International Round Table Symposium: Nucleosides, Nucleotides and their Biological Applications. Poznan, Poland; August 2014 (invited lecture).
109. Madiha Ahmed, Mukesh Mudgal, Stanislaw F. Wnuk "Inhibition of S-ribosylhomocysteinase (LuxS) by SRH analogue," National Conference on Undergraduate Research, Eastern Washington University, Spokane April, 2015 (poster)

## RESEARCH SUPPORT

### NIGMS/NIH MBRS-SC1

Wnuk (PI)

08/01/08-07/31/14

\$797,000

Nucleoside- and Carbohydrate-based Enzyme Inhibitors.

### NIGMS/NIH MBRS-SCORE S06 GM08205

Wnuk (Subproject PI)

04/01/04-03/31/08

\$500,293

Nucleoside-Based Enzyme Inhibitors. Novel Stannyl-, Silyl- and Gernyldesulfonylation Reactions.

Wnuk (PI)

U.S Department of Defense

11/1/2003-10/31/2004

\$400,000

Acquisition of 600 MHZ NMR

Wnuk (PI)

Diazyme Laboratories, San Diego, CA

15/01/01-09/31/04

\$40,600

"Chemical synthesis of Neplanocin A"

Wnuk (PI)

Walter Reed Army Institute for Research, Silver Spring, MD

10/01/02-09/31/04

\$30,700

Synthesis of 6-*N*-cyclopropylamino-3-deaza-analogs of Aristeromycin

Wnuk (PI)

American Heart Association

07/01/00-06/30/03

\$107,492

Inhibitors of *S*-Adenosyl-L-homocysteine Hydrolase: A Potential Therapeutic Approach to Prevent Coronary Artery Disease

Wnuk (Mentor and/or co-PI)

2000-present

NIH Research Initiative for Scientific Enhancement (RISE) program

NIH Minority Access to Research Careers–Undergraduate Student Training in Academic Research (MARC U\*STAR) program.

NSF Research Experience for Undergraduate Students (REU) program

NSF Ronald McNair Post Baccalaureate Achievement Program at FIU

NRC Nuclear Regulatory Commission Scholarship Program