

Jesse E. Pulido, Ph.D.

Department of Chemistry and Biochemistry
Florida International University
Miami, FL 33199

Phone: (786) 306-5352
Fax: (305) 348-3772
Email: jpuli004@fiu.edu

Education

2008-2014	Ph.D., Chemistry Florida International University Miami, Florida
2003-2010	B.A., Chemistry Florida International University Miami, Florida
2003-2008	B.S., Biology Florida International University Miami, Florida

Research Interests

Synthesis of nucleoside derivatives and other pharmacophores with application to anticancer and antiviral medicine. Research involving development of theranostic prodrugs and/or their delivery.

Main areas of interest are:

- 1) Medicinal Chemistry
- 2) Pharmaceutical Chemistry
- 3) Synthetic Organic Chemistry
- 4) Biochemistry and Molecular Biology

Teaching Experience

2014	Organic Chemistry Lecture Florida International University Miami, FL
2014	General Chemistry I and II Lecture Miami Dade College Miami, FL
2009-2011	General Chemistry, Biochemistry, Organic Chemistry Laboratory Florida International University Miami, FL

Publications and Presentations

Pulido, J.E.; Sobczak, A.J.; Balzarini, J.; Wnuk, S.F. (2014). *Synthesis and cytostatic evaluation of 4-N-alkanoyl and 4-N-alkyl gemcitabine analogs*. Poster presented at the 247th ACS National Meeting & Exposition, Dallas, Texas.

Pulido, J.E.; Sobczak, A.J.; Balzarini, J.; Wnuk, S.F. (2014). *Synthesis and cytostatic evaluation of 4-N-alkanoyl and 4-N-alkyl gemcitabine analogues*. *Journal of Medicinal Chemistry*, 57 (1), 191-203.

Pulido, J.E.; Becker, D. A.; Quirke, J. C. K.; Quirke, J. M. E. (April, 2013). *Photographic evidence for the mechanism and regiochemistry of Markovnikov and anti-Markovnikov additions of hydrogen bromide to alkenes*. Poster presented at the 245th ACS National Meeting & Exposition, New Orleans, Louisiana.

Pulido, J.; Sobczak, A.; Ortiz, H.; Van Dervort, A.; Theard, P.; Roy, D.; Wnuk, S. (March, 2012). *Novel 4-N-modified gemcitabine analogs*. Poster presented at the 243rd ACS National Meeting & Exposition, San Diego, California.

Winkle, S.A.; Duran, E.; Pulido, J.; Santil, G.; Talavera, M.; Winkle, C.; Sheardy, R.D.; Ramsauer, V. (2011). *Examining flanking sequence specificity and topological specificity in the binding of various molecular types to DNAs using restriction endonuclease activity assays*. *Frontiers in Nucleic Acids: ACS Symposium Series*, 1082, 167.

Pulido, J.E.; Gattorno, J.; Ng, V.; Rao, T.; de la Vega, R.L.; Winkle, S.A. (March, 2009). *Restriction enzyme activity studies of the binding of cisplatin to different DNA structures and sequences*. Poster presented at the 237th ACS National Meeting & Exposition, Salt Lake City, Utah.

Winkle, S.; Dillon, A.; Landera, A.; Pulido, J.; Shaqra, A.; Wedderburn, L.; Sheardy, R. (April, 2008). *RNA polymerase binds to specific nonpromoter DNA sequences*. Poster presented at the 235th ACS National Meeting & Exposition, New Orleans, Louisiana.

Affiliations and Awards

2008-2014 Graduate Student Organization
Florida International University
Miami, Florida

2008-2014 South Florida American Chemical Society (SoFLACS)
SoFLACS Graduate Travel Award

2010-2014 American Chemical Society

2011-2014 NIH/MBRS RISE Graduate Fellowship
Florida International University
Miami, Florida