

JOSUE A. BENJAMIN-RIVERA

Current Status

PhD Candidate
Dept. Of Chemistry, UPR-Rio Piedras

Email: josue.benjamin@upr.edu

Education

2003-2008 BS Industrial Chemistry
2020 PhD Chemistry (expected)

Current Research Interests: My research has focused in develop, synthesizing and characterizing Ti (IV) fluorescent probes. That probe can will be using to confocal microscopy and cell viability studies to investigate Ti (IV) activity in humans and bacteria.

Research Experience

2015-present Research Assistant, (mentor Dr. Arthur D. Tinoco)
2004-2006 UPR-Humacao, Research Assistant, (mentor, Dr. Margarita Ortiz)
2002-2004 UPR-Humacao, Research Assistant, (mentor, Dr. Lilliam Casilla)

Other Research Activities

2017 PARADIM Summer School and Workshop on Electron Microscopy

Presentations at National Meetings

Benjamin-Rivera, J.A, Tinoco, A.D.,Delgado,Y., Pandrala, M., Vazquez, A.,Vazquez, A., Fluorescent studies to track Ti(IV) serum transferrin transport into human cells in 5th International Conferences BioXFEL, New Orleans, LA, February 14, 2018

Publications

1. Loza-Rosas, S. A.; Vázquez-Salgado, A. M.; Rivero, K. I.; Negrón, L. J.; Delgado, Y.; Benjamín-Rivera, J. A.; Vázquez-Maldonado, A. L.; Parks, T. B.; Munet-Colón, C.; Tinoco, A. D., Expanding the Therapeutic Potential of the Iron Chelator Deferasirox in the Development of Aqueous Stable Ti(IV) Anticancer Complexes. *Inorganic Chemistry* **2017**, *56* (14), 7788-7802.
2. Ortiz-Marciales, M.; Rivera, L. D.; De Jesus, M.; Espinosa, S.; Benjamin, J. A.; Casanova, O. E.; Figueroa, I. G.; Rodriguez, S.; Correa, W., Facile rearrangement of O-silylated oximes on reduction with boron trifluoride/borane. *The Journal of organic chemistry* **2005**, *70* (24), 10132-4.