

## Amelia C. Neuberger, Ph.D.

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Department of Chemistry  
Loyola University New Orleans  
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### **EDUCATION**

- Ph.D., Inorganic Photochemistry  
Tulane University, December 2012  
Dissertation: Photophysical Properties and Photoredox Reactions of Transition Metal Complexes for Use in Solar Energy Applications  
Advisor: Dr. Russell H. Schmehl
- B.S., Chemistry and Sociology  
Loyola University New Orleans May 2007

### **TEACHING EXPERIENCE**

- Instructor, Loyola University  
Courses: General Chemistry I lecture, General Chemistry I lab, General Chemistry II lab, Organic Chemistry I lab, Chemistry of Technology - lecture/lab for non-science majors, Inorganic Chemistry, Chemistry Seminar for Majors, Senior Capstone and Seminar Coordinator

### **AFFILIATIONS**

American Chemical Society Member

IAPS (Inter-American Photochemical Society) Member

### **PROFESSIONAL DEVELOPMENT**

cCWCS Chemistry and Art Mini Workshop, March 8-11, 2014, Clark Atlanta University

cCWCS Chemistry and Art Advanced Workshop, June 8-13, 2014, Villanova University

### **PUBLICATIONS/PRESENTATIONS**

- Maher Fathalla, Amelia Neuberger, Shao-Chun Li, Russell Schmehl, Ulrike Diebold and Janarthanan Jayawickramarajah "Straightforward Self-Assembly of Porphyrin Nanowires in Water: Harnessing Adamantane/ $\beta$ -Cyclodextrin Interactions". *J. Am. Chem. Soc.*, 2010, 132 (29), pp 9966–9967.
- Neuberger A, Lebkowsky K, Sanders B, Schmehl R, Ph.D. *Free Energy Dependence of the Photoreduction of a Pt(II) Terpyridyl Hydroxo Complex and Use of Complex for H<sub>2</sub> Production*. Presented at Inter-American Photochemical Society Conference. St. Petersburg, FL. Jan 2009
- Neuberger A, Schmehl R, PhD, Adams J, Roddick D, PhD. *Examining the Highly Oxidizing Excited States of Various Re(II) Phosphine Complexes*. Presented at Inter-American Photochemical Society Conference. St. Petersburg, FL. Jan 2010

- Neuberger A, Schmehl R, PhD, Adams J, Roddick D, PhD. *Examining the Highly Oxidizing Excited States of Various Re(II) Phosphine Complexes* (Updated from IAPS). Presented at 67<sup>th</sup> Southwest Regional ACS Meeting. Austin, TX. Nov 9-12 2011
- Neuberger A, Schmehl R, PhD. *Excited State Reactivity of a Square Planar Terpyridyl Complex*. Presented at Southeastern Regional ACS Meeting. New Orleans, LA. Nov 30 – Dec 4 2010.
- Neuberger A, Schmehl R, PhD. *Photophysical Properties of Square Planar Platinum Complexes*. Talk given at Graduate Student Colloquium Series. Tulane University. New Orleans, LA. May 2011

### **UNIVERSITY SERVICE**

First in the Pack mentor, Loyola University, spring 2013