

Biographical Sketch

Annelis O. Sánchez

Current status

PhD candidate

Dept. of Chemistry, UPR-Rio Piedras Campus

Email: odette7777@gmail.com

Education:

1999 – 2002 High School Diploma, Colegio Católico Notre Dame

2002 – 2008 BS Chemistry, Minor in Biology, UPR- Rio Piedras

2011 – 2011 Credits in Pedagogy, Sagrado Corazon University

2014 – present PhD candidate, UPR- Rio Piedras

Current Research Interests: Research in electrochemistry and biochemistry areas, new cancer biosensors for early detection therapy, quantum dots synthesis, new materials, surface modification.

Research Experience:

Electrochemical Technician, UT - Austin

2016 (summer)

Single particle detection methods: Collisions, catalytic amplification, blocking. UME preparation and testing. Electrochemiluminescence setting and experimental parameters.

Teaching Assistant, UPR-RP

August 2014 -

December 2015

Offer lab of general chemistry. Assist in the development of tests, quizzes, and class presentations. Assist professors with the general chemistry tests. Help students to understand the link between theory and experimental concepts. Evaluate the student's development in laboratory techniques across the course.

Under-graduate research

August 2005-December 2005

Osvaldo Rosarios Laboratory

University Of Puerto Rico, Río Piedras Campus

Project Title: Method Development for the Analysis of Organic Compounds on Suspended Sediments of Aquatic Systems. The main purpose of this research is to develop methods of collecting and analyzing contaminants at trace level in suspended particles. Duties are the followings: Use Mass Spec to characterized components, Use Gas Chromatographer to characterized components, Use ultrasound machinery to homogenized mixtures, Use Gas Chromatographer, Extraction Techniques



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Under-graduate research

2004-2005

Mc Millan's Laboratory

University Of Puerto Rico, Río Piedras Campus

The main duties of the research are the followings: DNA extraction, Compare DNA segments of different mangroves species, Use electrophoresis chamber, Use UV machinery to observe and take pictures of DNA segments

Achievements and Professional Affiliations:

CEC Annual Workshop on Electrochemistry 2017 - Poster presentation

World Summit on Bioengineering 2016 – Moderator and Poster presentation

Member of the RISE, NIH (Grant Award) (August 2016 - Present)

Research collaboration with Dr. Lisandro Cunci at University of Turbo – 2016

IFN Meeting 2016 – Poster presentation

Puerto Rico Interdisciplinary Scientific Meeting 2016- Poster presentation

LS-AMP Convention 2016 – Poster presentation

Nanotech France 2015 – Poster presentation

Puerto Rico Interdisciplinary Scientific Meeting 2015- Poster presentation

Member of the LS-AMP, NSF Bridge to the Doctorate Program (Grant Award) (August 2014- 2016)

Member of the Chemical College of Puerto Rico (May 2010-Present)

Member of American Chemical Society (2005-2008)

Enter University of Puerto Rico Río Piedras Campus being selected to “Grupo de los cien” (2002)

Member of the Honor Society at the Pontific Catholic University of Ponce (Grant Award) (2002-2003)

Member of the Honor Society at Notre Dame High School (Caguas) (1997-2002)