

Attabey Rodriguez-Benítez

Curriculum Vitae

Address: 422 Kellogg St. Apt #76 Ann Arbor MI, 48105 USA

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Education

University of Michigan, Ann Arbor

pre-doctoral Student

(2016-Present)

- Program in Chemical Biology

University of Puerto Rico, Río Piedras Campus

(2011-2016)

B. S. Chemistry

Research Experience

Prof. Janet L. Smith and Prof. Alison R.H. Narayan

(April 2017 – Present)

University of Michigan, Ann Arbor

Role: Graduate Researcher

Project: Evolution of a site-selective and stereo-selective flavin dependent monooxygenase

Research Rotation with Prof. Janet L. Smith

(January 2017 - April 2017)

University of Michigan, Ann Arbor

Role: Graduate Researcher

Project: structural biology studies of flavin dependent monooxygenases Tropb, Sorbc, and Azah

Research Rotation with Prof. Alison R.H. Narayan (July 2017-December 2017)

University of Michigan, Ann Arbor

Role: Graduate researcher

Project: protein engineering of flavin dependent monooxygenase TropB

Prof. Rosa V. Flores

(January 2016 – May 2015)

University of Puerto Rico, Río Piedras Campus

Role: Undergraduate Researcher

Project: enzyme kinetic assay: competitive inhibition of propyl gallate in horseradish via microplate reader analysis

Prof. Iwao Ojima

(June 1, 2015 – August 8, 2015)

NSF REU Summer Internship: Exploring the Chemistry of Energy Applications, Living Systems, and Supramolecular Assemblies (ExCELS)

Stony Brook University, New York, USA

Role: Visiting Undergraduate Researcher

Project: Synthesis and Optical Resolution of α -truxillic acid Derivatives as Potential Anti-Inflammatory and Analgesic Agents.

Prof. José M. Rivera

(August 2014- May 2015)

University of Puerto Rico, Río Piedras Campus

Role: Undergraduate Researcher

Project: Synthesis and Self-assembly of an 8-*para*-Acethylphenyl-2'-Deoxyguanosine Derivative and its interactions with G-quadruplex DNA

Prof. John A. Soderquist

(May 2012- July 2014)

University of Puerto Rico, Río Piedras Campus

Role: Undergraduate Researcher

Project: Preparation of α -Allyloxy-t-butyl-dimethyl)-10-TMS-9BBD, a new asymmetric reagent for the allylboration of aldehydes and aldimines

Presentations

Life Sciences Institute Poster Blitz

(May, 2017)

Structure and Mechanism Guided Protein Engineering for Biocatalysis
Three Minute Poster Presentation for a broader community
University of Michigan, Ann Arbor, USA

Chemistry-Biology Interface Symposium

(May, 2017)

Structure and Mechanism Guided Protein Engineering for Biocatalysis
Poster Presentation
University of Michigan, Ann Arbor, USA

REU Research Symposium

(August, 2015)

Synthesis and Optical Resolution of a-truxillic acid Derivatives as Potential Anti-Inflammatory and Analgesic Agents.
Poster Presentation
Stony Brook, New York, USA

ACS Junior Technical Meeting PRISM

(March, 2015)

Synthesis and Self-assembly of an 8-*para*-Acethylphenyl-2'-Deoxyguanosine Derivative and its interactions with G-quadruplex DNA
Oral Presentation
Río Piedras, San Juan, Puerto Rico

Annual Biomedical Research Conference for Minority Students (ABRCMS)

(November, 2014)

Preparation of α -Allyloxy-t-butyl-dimethyl)-10-TMS-9BBD, a new asymmetric reagent for the allylboration of aldehydes and aldimines
Oral Presentation
San Antonio, Texas, USA

Fellowships and Awards

FORD Foundation Fellowship Honorable Mention (2017)
Rackham Merit Fellowship (2016)
Life Sciences Institute (LSI) Fellowship (2016)
Graduate Assistance in Areas of National Need Fellow (GAANN) (2016)
Maximizing Access to Research Careers Fellow (MARC) (2014-2015)
Annual Biomedical Research Conference for Minority Students (ABRCMS)
(November, 2014)
Best Oral Presentation Winner in Chemistry

Service and Leadership Activities

Females Excelling More in Math Engineering and the Sciences (FEMMES)
(2016-present)
Volunteer as group leader 2016 Fall Capstone
Volunteer as activity leader 2017 Winter Capstone

United InnoWorks Academy at Michigan (2017-present)
Board Member and Curriculum Director