

FIU

Applied Research
Center



DOE-FIU Cooperative Agreement Annual Research Review – FIU Year 1

PROJECT 4

DOE-FIU Science & Technology Workforce Development Initiative

*Worlds
Ahead*

Advancing the research and academic mission of Florida International University

FIU Personnel and Collaborators

Program Director: Leonel Lagos

Program Manager: Ravi Gudavalli

Faculty/Staff: Walter Quintero, Clint Miller, Angelique Lawrence, Anthony Abrahao

DOE Fellows: Adrian Muino*, Alexis Vento*, Alicia Maratos*, Angel Almaguer, Aubrey Litzinger, Aurelien Meray, Brendon Cintas, Caridad Estrada, Christian Dau, Christian Gonzalez Lopez, Daniel Martin*, David Mareno, Derek Gabaldon*, Desmond Sinnott, Gisselle Gutierrez, Jeff Natividad, Joel Adams, Josue Estrada, Juan Morales, Juana Perucina, Katherine Delarosa*, Lorryn Andrade*, Mariah Doughman, Nathalie Tuya*, Philip Moore, Phuong Pham, Raymond Piloto, Roger Boza, Rohan Shanbhag, Sebastian Story, Silvina Di Pietro*, Stevens Charles, Thi Tran

DOE-EM: Kurt Gerdes, Mary Ann Maloney, Genia McKinley, Jean Pabon, Junita Turner

DOE National Laboratories, Sites, Contractors

*Former staff/student contributors

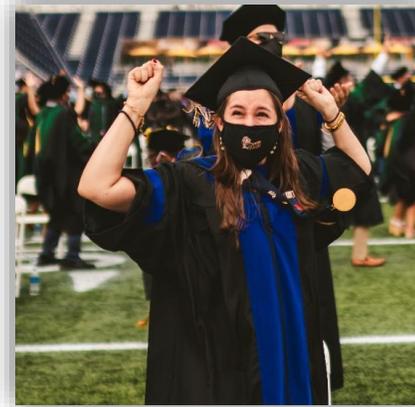


DOE Fellows Program Components



FIU Year 1 Highlights & Accomplishments:

- Conducted 3 recruitment campaigns and selected 12 FIU students to join the program
- 38 Fellows supported FIU scientists and engineers in the development of the technical work
- Conducted virtual introduction ceremony and welcomed 16 Fellows into the program
- 14 summer internships were conducted across the DOE complex
- 17 student posters were presented at WM2021 held virtually, DOE Fellows won best poster awards in graduate and undergraduate tracks.



Silvina Di Pietro

Ph.D. Chemistry

NNSA Graduate Fellow and Postdoctoral Researcher



- Presented her research findings at numerous conferences, including the Waste Management Symposia, the American Chemical Society
- Written scientific discoveries in five peer-reviewed publications
- Won the Innovations Award in Nuclear R&D Program sponsored by DOE
- Selected as the U.S. delegate to the International Younger Chemists Network within the International Union of Pure and Applied Chemistry (IUPAC)

FIU Year 2 Projected Scope

- Recruitment of qualified talented FIU minority STEM students
- Engage in DOE EM research (Projects 1, 2 and 3)
- Poster exhibition & competition (November 2021)*
- Annual DOE Fellows induction ceremony (November 2021)*
- Summer internships 2022/ Site visits
- Summer internship technical reports
- Conference participation & presentations, including WMS 2022, AGU
- DOE Fellows lecture series forum
- DOE EM HBCU collaboration/interactions
- Extend recruitment to include HBCU/MSI students interested in PhD at FIU
- Work closely with DOE nat. labs to identify opportunities for PhD students
- Identify extended work assignments for FIU graduate students at DOE nat. labs that can lead to post-doctoral positions





Thank You. Questions?