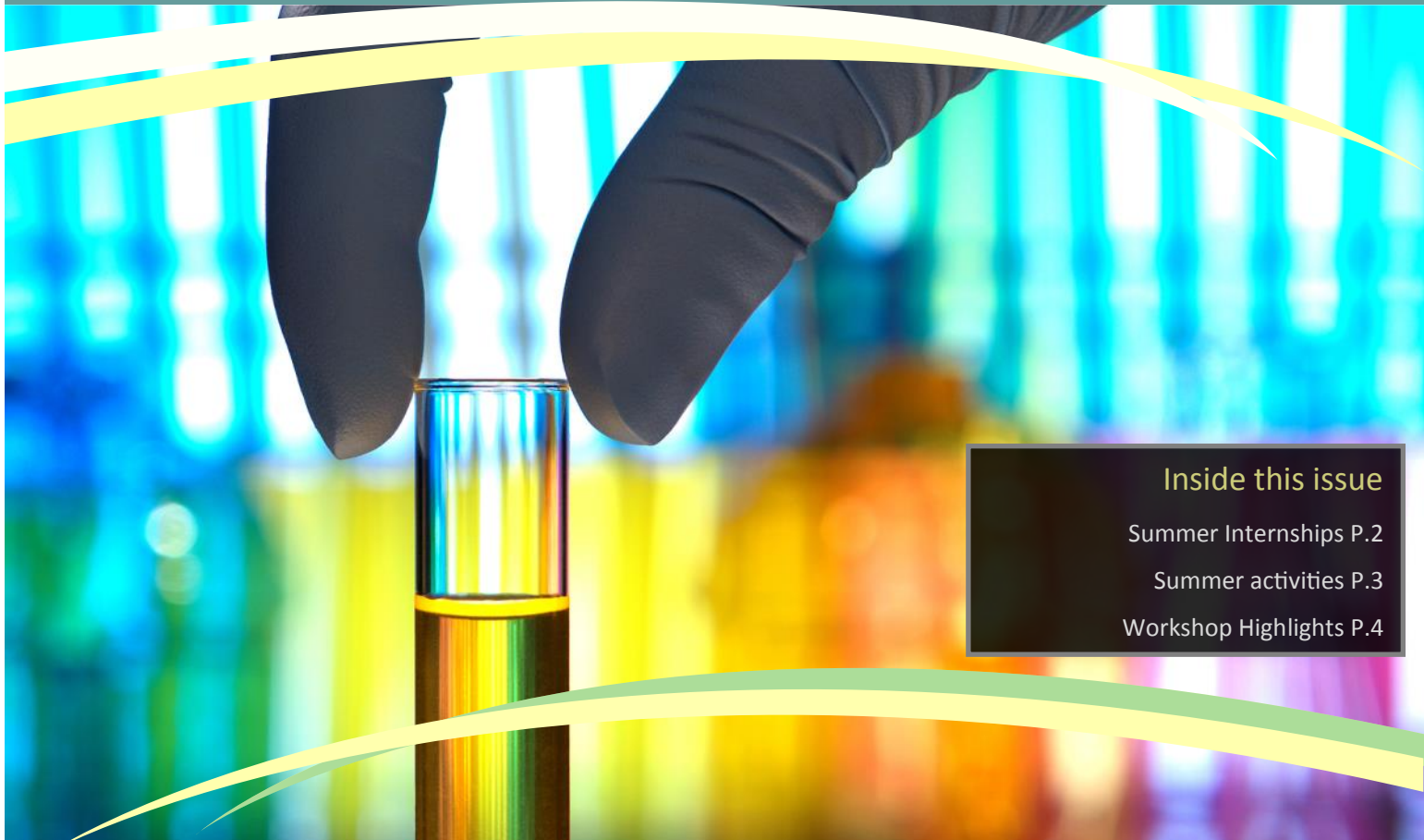


# NEWSLETTER

Vol. 2 / ISSUE #5 August, 2013  
Newsletter for the UPR-PRISE Program



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## University of Puerto Rico in Ponce RISE Program

PRISE is the acronym for the UPR “Ponce Research Initiative for Scientific Enhancement.” This program is funded by the National Institutes of Health (NIH) under grant #R25-GM096955, awarded to Dr. Edu Suarez, Associate Professor of the Biology Department at the University of Puerto Rico in Ponce (UPRP). This proposal was written in collaboration with Prof. Grisobelle Virella-Corujo, Sponsored Research Officer and Chancellor’s Assistant for the External Resources and Development Office.



## Contact Information

**Dr. Edu B. Suarez**  
**PRISE Program Director**

Email: [edu.suarez@upr.edu](mailto:edu.suarez@upr.edu)  
Professor at UPR-Ponce

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**Mr. José O. Albelo**  
**PRISE Program Coordinator**

Email: [jose.albelo@upr.edu](mailto:jose.albelo@upr.edu)

Phone: 787-844-8181, ext.  
2652,3085

Email: [rise.ponce@upr.edu](mailto:rise.ponce@upr.edu)

<http://rise.uprp.edu>

[facebook.com/rise.ponce](https://www.facebook.com/rise.ponce)

Skype: rise.ponce

[youtube.com/rise.ponce](https://www.youtube.com/rise.ponce)

## PRISE on the RISE

This year Summer Internship Program finished with a straight success, having had students that travelled to the United States for over 8 weeks.

### Mr. Nestor Carrasco

Summer Internship Program.  
Texas A&M University  
Dr. Suresh Pillai

### Mr. Angel J. Diaz

Cornell Summer REU  
*Ithaca, NY.*  
Dr. Marcus Smolka

### Mrs. Martha Echevarría

Transition to a PREP Program  
(Ann-Arbor)  
University Michigan  
Dr. Ben Allen

### Mrs. Shirley Jusino

Summer Internship Program  
Kellogg School of Science  
and Technology  
*La Jolla, California.*

### Mr. Robert Lopez

Summer Internship Program  
University of Colorado in  
Denver  
Dr. Sharilyn Almodovar

### Mr. Rafael Rivera Lugo

University of Michigan (Ann-  
Arbor)  
Dr. Scott Barolo

### Mr. Jamie Rosado

Summer Internship Pro-  
gram  
Life Sciences Program.  
Johns Hopkins University  
*Baltimore, MD.*

### Mr. Ismael Santiago

Life Sciences Summer Un-  
dergraduate Research  
Program  
University of Minnesota

### Mrs. Valerie Vargas

Summer Training Academy  
for Research in  
the Sciences (STARS) at the  
University San Diego  
San Diego, California

### Mr. Victor Otaño

Summer Undergraduate  
Research Program.  
Boston University

### Mr. Francisco Gomez

UTSA COS Summer Re-  
search Experience Univ. of  
Texas in San Antonio

**Don't  
miss this  
out!**

## September 19, 13'

Conference: Summer In-  
ternships. Place: Library  
Conference Room  
Resource: PRISE Program

## October 21, 13'

Conference from Universi-  
ty of Illinois at Chicago  
Place: UPR-P Library Con-  
ference Room (12:00pm)  
**Resource: Dr. Aixa Alfon-  
so and Francisco Piña**

Hydrothermal Worm Viewed Under  
An Electron Microscope





## Summer Activities for New PRISE Members

Over 10 students participated for two consecutive weeks in workshops that prepared them for the



lifestyle they will have for the rest of their academic careers and which will begin in August of 2013.

With over 60 intensive hours of different topics that included math (algebra, pre-trigonometry, and pre-calculus basics), biology (genetics, botany, biometry, and microbiology), social sciences and chemistry.

Our Programs' newest official members are:

1. Mrs. Yvette Arias
2. Mr. José Chamorro
3. Mr. Kevin Cintrón
4. Mrs. Lysmarie Figueroa
5. Mrs. Zurieli Rivera
6. Mrs. Carla Rodríguez
7. Mr. Cesar Torres
8. Mr. Ralphdy Vergne

Our Programs' newest adjunct members are:



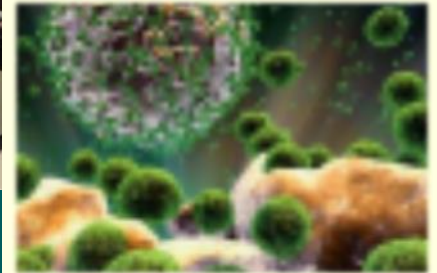
1. Mr. Michael Plaza
2. Mr. Ernie Díaz
3. Mr. Ian Maldonado
4. Mrs. Yoheilly Velazquez
5. Mr. Bryan Torres
6. Mr. José Sanchez
7. Mrs. Sheylimar Rivera
8. Mrs. Isamar Soto
9. Mrs. Mayra Gonzalez
10. Mr. Abdón Lpez
11. Mr. Fernando Rios
12. Mrs. Gemilly Rosado
13. Mrs. Katherine Ramos

For more information regarding summer workshops please visit:  
[www.prise.uprr.edu](http://www.prise.uprr.edu)

**With these students our Program has growth to a total of 21 official members and 24 adjunct members.**

## Biology Trends Drug Found to Eradicate HIV Permanently from Infected Cells

The topical anti-fungal drug Ciclopirox causes HIV-infected cells to commit sui-



cide by jamming up the cells' powerhouse, the mitochondria -- according to a study by researchers at Rutgers New Jersey Medical School. And unlike current anti-HIV drugs, Ciclopirox completely eradicates infectious HIV from cell cultures, with no rebound of virus when the drug is stopped. The study has been published in the journal *PLOS ONE*.

From: [www.sciencedaily.com](http://www.sciencedaily.com)

Article: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2770518/>





## 2013 Summer Workshop for UPR-PRISE New Members

**PRISE** offered New Members over 60 hours in a 2 weeks intensive training in different topics that included; math (algebra, pre-trigonometry, and pre-calculus basics), biology (genetics, botany, biometry, and microbiology), social sciences and chemistry where they acquired the necessary skills to work well in research laboratories.

Over 10 students participated in these workshops that prepared them for the lifestyle they will have for the rest of their academic careers and which will begun in August of 2013.

### Topics offered where:

By Dr. Edu Suarez  
Ethics in Research & Micro pipetting

By Dr. Luis Sanchez  
Time Management

By Dr. Leonardo Morales  
Mathematics: Introduction to Math Courses in Undergraduate Level

By Dr. Ileana Gonzalez  
Introduction to Research Lab: Safety Practices in the Laboratory, Macromolecules, The Cell, Mitosis, Meiosis, Cell Cycle, Osmosis & Diffusion, Membrane transports & Aseptic Techniques

By Dr. Arelis Torres & Dr. Marisel Sepulveda  
Strategies for Learning and Note Taking, Study Techniques & How to overcome test taking anxiety

By Dr. Eunice Mercado  
Chemistry in Action: Periodic Table, Atoms and Isotopes & Chemical Bonds

By Prof. David Forestier  
Conversions of Measurements, basic Statistics

By Prof. Gloria Rojas  
Scientific Article Analyses, Scientific Writing: Scientific Reports, Preparation of Power Point presentations & The Scientific Method

By Ponce School of Medicine and Health Sciences RISE Program  
LABORATORY NOTEBOOK

