

MARC – MBRS RISE – MBRS SCORE

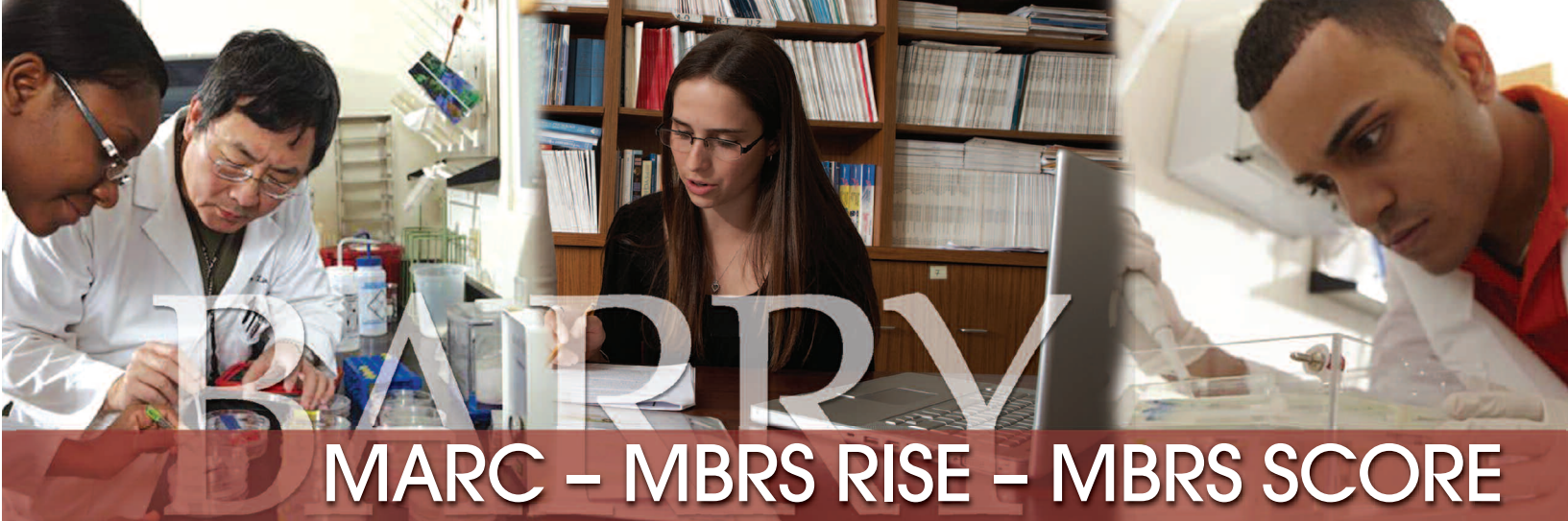
About the Programs

The **MARC U*STAR**, **MBRS RISE**, and **MBRS SCORE** programs are supported by the National Institutes of Health, to provide research opportunities for students and faculty. **MARC U*STAR** scholars, are biology, psychology, chemistry, computer science and mathematics majors who carry out research on campus and who will pursue a PhD in their major. Scholars receive tuition and a monthly stipend. **MBRS RISE** students major in biology and chemistry and are paid an hourly wage to carry out research with faculty on campus during the semesters and off-campus during the summers. **MBRS SCORE** faculty currently conduct research in biology.

Contact Dr. F. Redway at 305-899-3035 for further information or visit our websites at www.barry.edu/mbrsrise and www.barry.edu/marc.



Close Faculty Mentoring



NEWSLETTER • SPRING 2011 • BARRY UNIVERSITY • COLLEGE OF ARTS AND SCIENCES

The **MARC**, **RISE**, and **SCORE** programs at Barry University are funded by the National Institutes of Health to promote scientific research among students and faculty, especially to increase the involvement of underrepresented groups in the sciences. Barry University is one of only two schools in the state to offer **MARC** (Minority Access to Research Careers) and **RISE** (Research Initiative for Scientific Enhancement) programs to students. **SCORE** (Support of Competitive Research) focuses on faculty projects.

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Student Accomplishments

Brian Garner, biology major and Minority Access to Research Careers (**MARC U*STAR**) scholar, and **Gabriela Toro**, biology major and Research Initiative for Scientific Enhancement (**MBRS RISE**) student, received awards for their poster presentations at the Annual Biomedical Research Conference for Minority Students (**ABRCMS**), held November 10-14, 2010, in Charlotte, North Carolina. Brian conducted the research at Princeton University during summer 2010. He studied the relationships between ubiquitin conjugating enzymes and the ubiquitin ligase enzymes as they interact with Msh2 in *Saccharomyces cerevisiae*. Gabriela's research, morpholino-based screen, to identify genes involved in vertebrate nervous system development, was conducted at the University of Missouri-Columbia during summer 2010. Six Barry **MARC** and **RISE** students were among the 3,328 attendees and presented four of the 1,435 poster presentations.



Brian Garner (**MARC-Biology**) and **Gabriela Toro** (**RISE-Biology**) were inducted into Delta Epsilon Iota Academic Honor Society, fall 2010.

Susana Chan (**MARC-Chemistry**), **Gabriela Toro** (**RISE-Biology**), **Elizabeth Nguyen** (**RISE-Biology**) and **Dr. Leticia Vega** attended the Massachusetts Institute of Technology Department of Biology workshop on Quantitative Biology, January 3-8, 2011, in Cambridge, Massachusetts. The six-day course included daily faculty lectures in genetics, biochemistry, cell biology, and statistics, followed by relevant hands-on activities, research seminars by graduate students on specific methods, and sessions on critical evaluation of scientific papers.



Maxime Jean (**RISE-Biology**), **Jonathan Colón** (**RISE-Biology**), and biology faculty including **Dr. Peter Lin**, were nominated as genome scholars and received travel funding to attend the National Human Genome Research Institute 2010 Summer Workshop in Genomics "Short Course" in Bethesda, Maryland, August 1-6, 2010.



Karla Rivera-Torres (**MARC-Psychology**) received the Dean's List award, fall 2010 semester. She is a student reviewer for the Association for Psychological Science and was inducted into Pi Gamma Mu International Honor Society in Social Sciences, fall 2010.

Iliana Gonzalez (**MARC-Psychology**) is a recipient of a travel award for the biennial Society for Research in Child Development meeting held on March 31-April 2, 2011, in Montreal.

Annual Holiday Party

On December 14, 2010, we celebrated the holiday season with the MARC and RISE students and faculty mentors.



Guest Speaker - Spring 2011

Lisan Parker, PhD, will be visiting Barry University on April 20, 2011. She will be the keynote speaker at the Third Annual STEM Research Symposium. Dr. Parker received her PhD in Pharmacology in 2003 from Vanderbilt University, Tennessee.

Faculty Accomplishments

Dr. Zuzana Zajickova, assistant professor of physical sciences, presented a poster at the Science and Energy Research Challenge (SERCH) conference at the Oak Ridge National Laboratory in Oak Ridge, Tennessee, November 14-15, 2010. **Emir Rubi** (MARC '10) co-authored the poster presented.

Dr. Xiaotang Hu, associate professor of biology, was invited by Hindawi Publisher to become a member of the editorial board for ISRN Hematology, a peer-reviewed international research journal.

Dr. George Fisher, professor of physical sciences, was re-elected to a three-year term as American Chemical Society (ACS) National Councilor representing the South Florida ACS Section.

Dr. Brenda Schoffstall, assistant professor of biology, accepted a position on the review editorial board of "Frontiers in Cardiac Muscle Physiology," a specialty section of the journal Frontiers in Physiology.

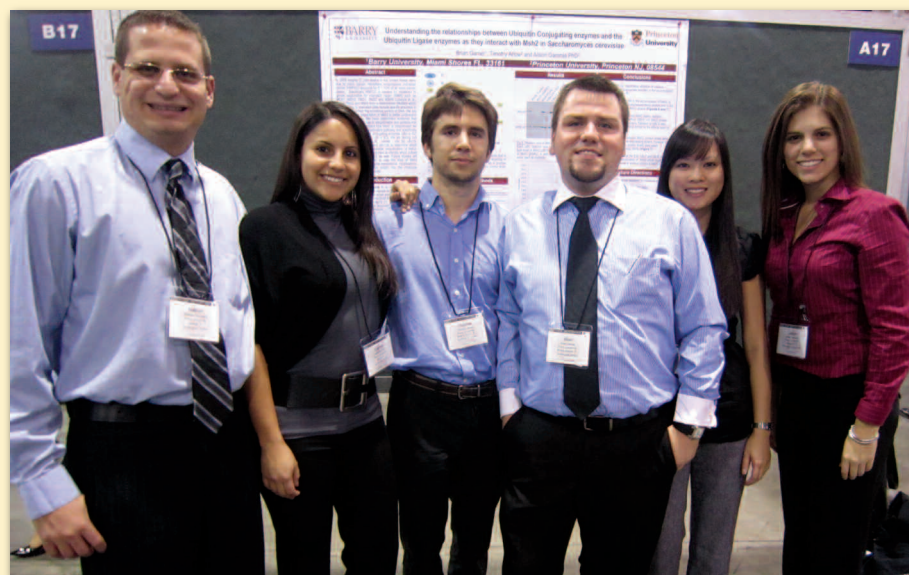
Student & Faculty Referred Publications

Ferrer-Wreder, L., **Saint-Eloi Cadely**, H., Domitrovich, C., Small, M., Caldwell, L. L. & Cleveland, M. J. (2010). Is more better? Outcome and dose of a universal drug prevention effectiveness trial. *Journal of Primary Prevention*, 31, 349-363.

Zajickova, Z., Luna, J.C., & Svec, F. (2010). Surface modification of silica-based monolith with poly(pentafluoropropyl methacrylate) using single step photografting. *Journal of Liquid Chromatography & Related Technologies*, 33 (18), 1640-1648.

Student Attendance & Presentations at Scientific Meetings

Annual Biomedical Research Conference for Minority Students (ABRCMS), Charlotte, North Carolina, November 10-14, 2010. **Christian Bureu** (MARC), **Susana Chan** (MARC), **Brian Garner** (MARC-poster), **Nathan Gonzalez** (MARC-poster), **Lauren Sanchez** (RISE-poster), and **Gabrielle Toro** (RISE-poster)



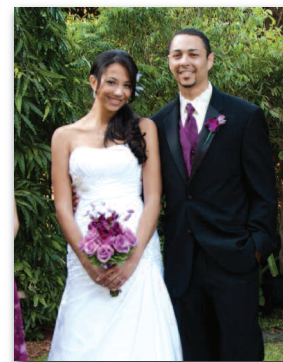
Graduate Updates

Efrain Garcia, PhD (MARC '00) is the project officer in the Division of Chemical, Biological, Radiological and Nuclear Medical Countermeasures at the Biomedical Advanced Research and Development Authority of The Department of Health and Human Services.

Hans Saint-Eloi Cadely, MS (MARC '08) has completed the Master of Science in Human Development and Family Studies, from Auburn University in Alabama. Hans was named one of the "10 Most Outstanding Master's Students" in March 2010. He is currently enrolled in the PhD program in Human Development and Family Studies at Auburn University.

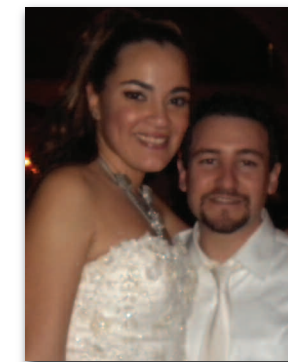
Lenore P. Rodicio, PhD (MARC '94) has been appointed Dean of Academic Affairs at Miami Dade College's Kendall Campus and was named President-Elect of the Association of General and Liberal Studies.

Paula Jenkins-Colon, MS (MIRT '05) married Jacques Colon on October 9, 2010. She is a medical student at Georgetown University School of Medicine and will graduate May 2012.



Sona Ramdath, DPM (MIRT '98) is completing a sport medicine fellowship at Palo Alto Medical Foundation in California and will finish July 2011.

Isa Arias-Munoz (MBRS '00) married Carlos Munoz on December 30, 2010. She is enrolled in the PhD Immunology Program at the University of California, San Francisco.



Raul Mirza, DO (MIRT) is in his second year of sequential residency programs in preventive medicine and occupational and environmental medicine at the Walter Reed Army Institute of Research and the Uniformed Services University of the Health Sciences in Bethesda, Maryland. He married Starr Faria in 2010 and will be returning to Barry in spring 2011 to inform students enrolled in the biomedical sciences master's program about opportunities in military medicine.

Sarah Garcia, MS (MARC '09) obtained her Master of Science in School Psychology from Barry University, fall 2010. She is currently pursuing her Specialist in School Psychology (SSP) degree. She also became engaged in December 2010.



Gesulla Toussaint, MPH (MARC '04) and her husband recently welcomed a beautiful baby boy, Kaleb Cavanaugh. Gesulla is in her fourth year of the PhD in Educational Leadership at Florida Atlantic University. She is also the author of a multicultural historical fiction of Haiti titled *Counts of the Majestic*, published in 2010.



Ivan Gonzalez, MD (MBRS '96) is a proud father of a baby girl born last year on October 18, 2010. Ivan obtained his MD in pediatrics from the University of Medicine and Dentistry of New Jersey.