



SoFlacs



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ZAIDA MORALES-MARTINEZ RECEIVES NATIONAL ACS AWARD FOR OUTSTANDING SERVICE

South Florida's councilor Zaida Morales-Martinez was selected by the ACS Board of Directors to receive the Society's 2011 national award for volunteer service, recognizing the volunteer efforts of individuals who have contributed significantly to the goals and objectives of the Society. Zaida has been volunteering actively with ACS since 1986 when she was elected councilor of the Florida section and subsequently of the South Florida Section. Over the years she has committed immeasurable time and energy to the advancement of minority students in the chemical sciences. For example, she was instrumental in the establishment of the Society Committee on Minority Affairs in 1993. She helped establish the ACS Scholars program that provides scholarships to underrepresented minority college/university students in the chemical sciences and continues to serve as coordinator and mentor of the scholars. The scholars fondly refer to her as "Mamma Z". She also served on the Project SEED committee, and for many years she coordinated the South Florida Project SEED, ACS's summer research program that enables economically disadvantaged high school students to conduct hands-on research in academic labs. The award will be presented during the national awards gala at the 2011 spring ACS meeting in Anaheim, CA. Congratulations Zaida!



Added Note: At the ACS National Meeting in Boston on August 23, an announcement was made that a new ACS award for mentoring has been established in Zaida's honor: the Zaida Morales-Martinez ACS Scholars Mentor Award to be presented annually to someone who mentors ACS scholars.

CELEBRATING 15 YEARS OF THE ACS SCHOLARS PROGRAM

By Rudy Baum, Editor-in-Chief, C&EN (reprinted from C&EN, Vol 8, #4, Jan. 25, 2010)

The ACS Scholars Program celebrates its 15th anniversary in 2010. The program awards renewable scholarships of up to \$5,000 per year to underrepresented minority students who want to enter chemistry or chemical engineering or related fields such as environmental science, toxicology, and chemical technology. As part of the 15th anniversary celebration, in January C&EN launched a series of profiles of current and former ACS Scholars. The profiles run in the last issue of each month through the year, featuring 12 of these inspirational stories. There are many, many more. An ACS Scholars celebration symposium and reception was held at the ACS fall national meeting in Boston in August.

The ACS Scholars Program, which won the 2001 Presidential Award for Excellence in Science, Mathematics & Engineering Mentoring and the 1997 American Society of Association Executives Award of Excellence, has aided more than 1,900 students since its inception. African Americans comprise 55% of the recipient pool, Hispanic/Latino students represent 39%, and Native American students represent 6%. To date, more than 900 students receiving scholarships have graduated with a bachelor's degree in a chemical science, and 48% have entered the chemical science workforce. Thirty-six percent of the students majored in chemistry; 36%, chemical engineering; 13%, biochemistry; and 10%, a chemistry-related discipline. More than 60 ACS Scholars have gone on to earn a Ph.D. in chemistry, chemical engineering, or a related discipline. Eligibility requirements for ACS Scholars and other information on the program can be found at www.acs.org under "Funding & Awards."

Madeleine Jacobs, ACS executive director and chief executive officer, says of the program: "The ACS Scholars Program has had an enormous impact in only 15 years in literally changing the face of the chemistry enterprise. Since the program's inception, \$12.2 million in scholarships have been awarded, plus ACS has provided all the administrative support. When I look at the success stories of our hundreds of ACS Scholars and the Ph.D.s the program has produced, I know that this success would not have been possible without the tremendous support of the ACS Board of Directors, which committed significant funding and moral support to launching and sustaining the program, as well as the generous contributions of companies, foundations, ACS members, and other individuals. This is a program of which we can all be very proud."

Mentoring is key to the success of the scholars program. ACS seeks mentors from college and university faculty, industry, members, and volunteers associated with minority advocacy organizations. Also key to the success of the program has been the support it has received from companies and foundations. The program does not have an endowment but rather relies on funding from ACS and contributions to continue its operation. Some of the companies and foundations that have been particularly generous include Founding Partner PPG Industries Foundation, which has contributed more than \$1 million; Sustaining Partners Camille & Henry Dreyfus Foundation, GlaxoSmithKline, and Procter & Gamble, each of which has donated \$200,000 or more; and National Partners 3M Foundation, AstraZeneca Pharmaceuticals, Bayer, Dow Corning Foundation, DuPont Central Research & Development, Schering-Plough, and Xerox, each of which has contributed \$100,000 or more. Individuals and ACS local sections have also contributed time and money to the scholars program. If you are interested in becoming involved, please contact Kathy Fleming in the ACS Development Office at (800) 227-5558 ext. 6210 or k_fleming@acs.org.



Who inspired you to work in the chemistry field? Remember them by [making a gift](#) in their honor to the ACS Scholars Program and their name will be listed in the ACS Annual Report. Your gift combined with the devoted attention of mentors will help ACS Scholars reach for their dreams in chemistry. Make a gift in honor at www.acs.org/giving.

SoFL-ACS Sponsored Project SEED Students

During the summer three high school students participated in the South Florida Section's Project SEED program (Summer Educational Experience for Disadvantaged) whereby economically disadvantaged high school students have an opportunity to do chemistry related research at a university lab. This summer, Darshley Reinvil, a 17-year old Senior at MAST Academy, did research with Dr. John Berry at FIU on "Biologically Active Compounds from the Green Alga *Caulerpa sp*", Vanessa Labrador, a 16-year old Junior at Westland Hialeah Senior High, and Thalia Perez, a 17 year old senior at Miami Jackson Senior High, did research with Dr. Rajeev Prabhakar at the University of Miami on "Computational Studies of Interaction Between Alzheimer Amyloid β (A β)-Peptide and Drug Molecules Such as Curcumin and Caffeine".

The SEED students summarized their SEED experience as: "a truly memorable experience...to do hands-on research in an actual lab and conduct my own molecular dynamics simulations;" "I had a great experience with the students and my mentor working in the lab...I wish my friends could have the chance of being in this program;" "I gained not only knowledge, but also self-confidence;" "Participating in Project SEED this summer led me to discover my potential in a whole new light,"

Since its inception in 1968, Project SEED has had a significant impact on the lives of over 9000 high school students from low-income families. Selection for Project SEED is not merit based but seeks students with potential who would otherwise not be considered for hands-on experience in scientific research. This summer 451 economically disadvantaged high school students worked 8-10 weeks doing summer research in over 100 academic, industrial and governmental laboratories nationwide under the supervision of research scientists. In addition to the summer research experience, Project SEED participants are eligible to compete for first-year college scholarships up to \$5,000. Please include support for Project SEED in your dues check-off..

Countdown to International Year of Chemistry (IYC) 2011: Get Involved Now!

We need your ideas!

Through the IYC-2011 initiative "365: Chemistry for Life," a different aspect of chemistry will be highlighted every day on www.acs.org. You can submit ideas for a favorite element, compound, discovery, process, chemist, or chemistry innovation at www.acs.org/iyc2011, by September 17, 2011. Suggestions should fall into one of four categories:

- Environment (1st quarter) develops awareness of water, its sources, and importance of water purity.
- Energy (2nd quarter) features viable alternative energy sources as a key to sustainability.
- Materials (3rd quarter) focuses on important aspects of recycling, properties of materials and nanomaterials.
- Health (4th quarter) features the positive impact of chemistry on nutrition, hygiene, and medicine.

Selected submissions will receive recognition and an IYC-2011 pin and t-shirt. IYC 2011 toolkits are now available! Visit our website www.acs.org/iyc2011 to view and download templates, guidelines and ideas for planning and celebrating IYC 2011. Don't see what you need? Let us know at iyc2011@acs.org.



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FUTURE MEETINGS - MARK YOUR CALENDAR

Section Seminar Speaker, Thurs & Fri Sept. 9 & 10.

Dr. Raphael Raptis, Department of Chemistry, University of Puerto Rico Rio-Piedras. Title of seminar "Polynuclear Iron-Oxo Pyrazolate Clusters as Possible Metalloprotein Models and MRI Contrast Agents."

Thursday, Sept. 9, 2:30 PM at Florida Atlantic University, Boca Raton, Department of Chemistry & Biochemistry, Physical Sciences Building, Room 226.

Friday, Sept. 10, 11:00 AM, Florida International University, University Park Campus, Miami, Wertheim Conservatory Auditorium, WC130.

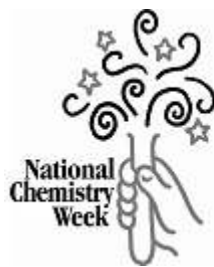
Section Seminar Speaker, Thurs & Fri Sept. 16 and 17.

Dr. Hendrick Luesch, Department of Medicinal Chemistry, University of Florida, Gainesville. Title of seminar: "Marine Natural Products Initiated Chemical Biology."

Thurs, Sept. 16, Noon, Rosenstiel School of Marine and Atmospheric Sciences (RSMAS), Rickenbacker Cswy., Key Biscayne, SLAB seminar room.

Friday, Sept. 17, 11:00 AM, Florida International University, University Park Campus, Miami. Wertheim Conservatory Auditorium, WC130.

IYC 2011 - International Year of Chemistry. Throughout 2011 make presentations at your local school or mall, partner with local civic organizations, and show how chemistry is an international science (see article above)



Saturday, Oct. 23

**Family Day at
Zoo Miami**

12400 S.W. 152nd St., Miami
(Florida Turnpike Exit 16)

"Chemistry Behind the Scenes"

9:00 - 9:40 AM: check in at SoFL-ACS entrance table

9:45 AM: welcome and keeper talk with animal presentation in the amphitheater

10:30 AM: tram tour with zookeeper talks and guides

11:30 AM - 1:00 PM: lunch provided by the zoo

Rest of afternoon you're free to visit the zoo with unlimited rides on the monorail

Science Day at Aventura Mall

Saturday, Oct. 16, noon - 3:00 pm

Hands-on science demonstrations for kids and adults
at Aventura Mall, 19501 Biscayne Blvd.

presented by science clubs/students/faculty from local high schools, FIU and Barry U.



ARE YOU ATTRACTED TO SCIENCE...

**Attend Pittcon—the magnet
for scientific innovation.**

We are pleased to announce that The ACS Division of Analytical Chemistry (ACS-DAC) will be co-programming with Pittcon 2011. Attend one of the many ACS-DAC sessions such as:

- Advances in Differential Ion Mobility Spectrometry
- Chemical Imaging: The Molecular View
- Proteomics: From the Top

Visit www.pittcon.org for the complete list of ACS-DAC sessions being presented at Pittcon 2011.

Register Today and Save 50%

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Be a Chemistry Ambassador. Help bring chemistry to classrooms this fall!

ACS has developed many ways and educational tools to help kids from kindergarten to high school do more hands-on science this school year, and as a Chemistry Ambassador, the link begins with you! At the Chemistry Ambassadors website, www.acs.org/chemistryambassadors, you can find links to get you started:

- ! Need a way to introduce yourself to a teacher? Try our emails that make a great first impression.
- ! You can print off and hand your local teacher flyers detailing ACS resources to bring science into classrooms
- ! You can provide *ChemMatters* to high school chemistry teachers and students. The magazine complements textbooks, and you can view free articles and other resources online at www.acs.org/chemmatters.
- ! You can volunteer in a classroom either as part of a full outreach program or on a one-time basis. You might lead an experiment with elementary kids using ACS science kits or give a chemistry presentation to high schoolers drawing from your own research.
- ! You can alert teachers to a wide range of educational resources and programs, including science kits, scholarships, partnership programs with ACS, and curriculum materials.

Help kindle a child's wonder for chemistry and science exploration this school year! Your gifts and time will definitely be appreciated by teachers, students, and parents alike.

2010 ACS Fellows Announced

192 distinguished scientists have been elected as 2010 Fellows of the American Chemical Society. These ACS members were selected based on their outstanding achievements in and contributions to the science, the profession, and their excellent service to the Society. Similar to the inaugural class of 2009, the Fellows represent a wide range of disciplines and geographic locations, representing 33 technical divisions and 79 local sections. The 2010 class also includes distinguished scientists and engineers from industry, academia, and government. A complete list of the Fellows can be found in the August 2, 2010 issue of C&EN. For additional information on the ACS Fellows Program, go to www.acs.org/fellows or send an email to fellows@acs.org.

Call for Nominations for 2011 SoFL-ACS Officers

Please volunteer to serve your local ACS section by running for a 2011 office: chair-elect, secretary, councilor/alternate councilor. If interested, submit your name to one of the current officers (see below) in order to place your name on the election ballot in November.

Officers of the South Florida Section ACS for 2010

Acting Chair: Konstantinos Kavallieratos, Dept. of Chemistry & Biochemistry,

FIU, University Park, Miami, FL 33199 (305) 348-6034; kavali@fiu.edu.

Chair: Richard Shreve, Palm Beach Community College, Boynton Beach, FL 33472; 561 512-0737; shreve@pbcc.edu.

Secretary: Milagros Delgado, Department of Chemistry, FIU Biscayne Bay, AC1-382A, North Miami, FL 33181, (305) 919-5966; delgadm@fiu.edu.

Treasurer: Leonard Keller, Department of Chemistry & Biochemistry, FIU, University Park, Miami, FL 33199, (305) 348-3081; kellerl@fiu.edu.

National Councilors: Zaida Morales-Martinez (2012), 305 386-3206,

moralesz@fiu.edu; Milagros Delgado (2010), FIU, 305 919-5966,

delgadm@fiu.edu; George Fisher (2010), Barry University, 305-899-3430, gfisher@mail.barry.edu.

Alternate Councilors: George Duncan, Broward County Sheriff's Crime Lab,

954 831-6147, george_duncan@sheriff.org; Vic Shanbhag, Nova

Southeastern University, 954 262-8331, shanbhag@nova.edu; Richard

Shreve, Palm Beach Community College, 561 512-0737, shreve@pbcc.edu.

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CIRCULATION: Send post office form 3579 to Circulation Dept. SoFlacs, c/o George Fisher, Department of Chemistry, Barry University, 11300 N.E. 2nd Ave., Miami Shores, FL 33161, (305) 899-3430, FAX (305) 899-3479.

SoFL-ACS WEB SITE: <http://www.soflacs.org>

NATIONAL ACS WEB SITE: <http://www.chemistry.org>

ADVERTISING: Send inquiries or camera ready copy to the Editor/Business Manager, with check made out to "South Florida Section ACS". A 10% discount will be given for four consecutive prepaid advertisements. All materials should be supplied copy ready. Additional cost will be charged if preparation of copy is done by *SoFlacs*.

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