



GEORGIA SECTION

MEETING Announcement



ACS
Chemistry for Life™

Thursday, September 7, 2017

The 83rd Annual Herty Award Dinner

Honoring Prof. Rigoberto Hernandez
Johns Hopkins University
2017 Herty Award Medalist

“Diverse Chemistry Topics and
the Diversity of Chemistry”

Location:

Georgia Tech Hotel & Conference Center
800 Spring Street NW
Atlanta, GA 30308

Directions: [Click Here](#)

6:00 pm Meet and Mingle
6:30 pm Dinner
7:30 pm Herty Award Program

Menu:

Salad: Spring Mix Salad with Orange Segments,
Fennel, Cherry Tomatoes, Herb Croutons and
Raspberry Vinaigrette

Your choice of Entrée:

1. Grilled Southwestern Chicken (Spice Rubbed and Grilled, served with wild Spanish rice, Chorizo Onions and Peppers Succotash Glazed with Mojo Sauce)
2. Seared Atlantic Salmon (New Potato and Local Mushroom Hash, Broccolini Lemon Caper Sauce)
3. Vegetarian-Oven Roasted Portabella Mushrooms (Portabella Mushrooms layered with grilled seasonal vegetables, smoked Gouda Cheese, drizzled with Fresh Pomodoro Basil Sauce)

Dessert: Triple Berry Acai Mousse Cake
(Include Iced Tea, Freshly Brewed Regular &
Decaffeinated Coffee, and a selection of Hot Teas)

RSVP by 5:00 pm by Friday, September 1, 2017 at
<https://goo.gl/Tyn3w3>

Price: \$45 regular; \$35 retired, current ACS members
and K-12 teachers, \$25 students
(**Parking is included with your attendance**)

Payment: At the door Cash, credit card, or
check to: “Georgia Section ACS”

Note: *If you make a reservation and then do not attend,
you will be charged for the meal as we have to
guarantee the number of meals.*

*We will be live streaming this event through
YouTube Live. (Select live streaming option when
you RSVP.)*



Prof. Rigoberto Hernandez
“Diverse Chemistry Topics and the Diversity
of Chemistry”

ABSTRACT: *The heterogeneity and complexity in the chemistry needed to solve today's grand challenges is increasingly multiscale and out of equilibrium. Examples include the characterization of chemical reaction rates and pathways far-from-equilibrium, the design and characterization of sustainable nanomaterials with requisite function, and the characterization of proteins in motion. Recent advances in the theoretical and computational chemistry of such diverse topics provide a glimpse of the power of our emerging toolkit. The Open Chemistry Collaborative in Diversity Equity (OXIDE) is aimed at institutional reform so as to lower inequitable barriers hindering the success of faculty from diverse groups. The collaborative itself is a partnership with the department heads of research-active chemistry departments, social scientists and other key stakeholders. The lowering of these barriers increases the likelihood that individuals in the tenure pipeline will have equitable chances of success and thereby leads to changes in faculty demographics closer to those of the broader U.S. population. Such diversity is also critical for addressing the complexity in the grand challenges of this century.*



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BIO: Dr. Rigoberto Hernandez is the Gompf Family Professor in the Department of Chemistry at the Johns Hopkins University as of July 2016, and remains as the Director of the Open Chemistry Collaborative in Diversity Equity (OXIDE) since 2011. Before Hopkins, he was a Professor in the School of Chemistry and Biochemistry at Georgia Tech, and Co-Director of the Center for Computational Molecular Science and Technology he co-founded. He holds a B.S.E. in Chemical Engineering and Mathematics from Princeton University (1989), and a Ph.D. in Chemistry from the University of California, Berkeley (1993). (Hernandez was born in Güinez, Havana, Cuba but was raised and educated in the United States of America since he was in primary school. He is a U.S. citizen by birthright.)

Dr. Hernandez is the recipient of a National Science Foundation (NSF) CAREER Award (1997), Research Corporation Cottrell Scholar Award (1999), the Alfred P. Sloan Fellow Award (2000), a Humboldt Research Fellowship (2006-07), the ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences (2014), the CCR Diversity Award (2015), the RCSA Transformative Research and Exceptional Education (TREE) Award (2016), and the Herty Medal (2017). He is a Fellow of the American Association for the Advancement of Science (AAAS, 2004), the American Chemical Society (ACS, 2010), and the American Physical Society (APS, 2011). In 2015-2016, he was a Phi Beta Kappa Visiting Scholar. At Georgia Tech, he served as the first Blanchard Assistant Professor of Chemistry (1999-2001), the first Goizueta Foundation Junior Rotating Faculty Chair (2002-07) and a Vasser Woolley Faculty Fellow (2011-13). His recent board memberships include the National Academies Panel within the Army Research Laboratory Technical Assessment Board (2005-2011), the National Academies Board on Chemical Sciences and Technology (2007-2010), the Telluride Summer Research Conference Board of Directors (2007-09), the NIH Study Section on

Molecular Structure and Function B (MSFB, 2009-2013), the DOE Committee of Visitors (Division of Chemical Sciences, Geosciences and Bio-sciences, 2014), the Research Corporation Cottrell Scholars Advisory Committee (member 2011-15, and chair 2016-17), the Sloan MPhD Advisory Committee (2013-2018) and the American Chemical Society Board of Directors (2014-2019). Dr. Hernandez's research programs are currently funded by the NSF through a single-investigator grant and the CCI Center for Sustainable Nanomaterials. The OXIDE effort is cofunded by the NSF, DOE and NIH.

Dr. Hernandez's research area can be broadly classified as the theoretical and computational chemistry of systems far from equilibrium. This includes a focus on microscopic reaction dynamics and their effects on macroscopic chemical reaction rates in arbitrary solvent environments. His current projects involve questions pertaining to the diffusion of mesogens in colloidal suspensions and liquid crystals, the structure and dynamics of assemblies of Janus and other patchy particles, fundamental advances in transition state theory, design principles for sustainable nanotechnologies and the dynamics of protein folding and rearrangement.