

Biography

Germarie Sánchez-Pomales was born in Puerto Rico in 1980. In 2002, she graduated Magna Cum Laude with a Bachelor of Science degree in Chemistry from the University of Puerto Rico at Río Piedras. Germarie successfully defended her dissertation on April 28, 2009 and will be receiving her doctorate in Analytical Chemistry from the University of Puerto Rico at Río Piedras. She was awarded a National Research Council(NRC) Research Associateship Program Award, and this fall she will start as a postdoctoral research associate at the National Institute of Standards and Technology.

Her academic achievements have made her the winner of several nationally coveted scholarships from the National Science Foundation, Xerox, the Hispanic Scholarship Fund, and the Society of Hispanics Professional Engineers, among others. Additionally, her work has been awarded top prizes at poster presentations and it has been published in various scientific journals. Germarie worked at the Electrochemistry and Interfaces Laboratory directed by Dr. Carlos R. Cabrera and her research project consisted on studying the non-covalent functionalization of carbon nanotubes by DNA.

Germarie was awarded a National Science Foundation East Asia and Pacific Summer Institute Fellowship and will spend this summer working under the supervision of Dr. S.P. Jiang at Nanyang Technological University in Singapore. Last summer, she worked at the University of New South Wales in Australia with Professor J.J. Gooding on the application of DNA-functionalized carbon nanotubes as cadmium biosensors. Her research interests include electrochemical and surface characterization of nanomaterials and metallic surfaces, self-assembled monolayers, carbon nanotubes, and biosensors.