Fransheska Joanne Rivera Vega, M.S.

2060 4th Street Apartment #221, Berkeley, CA 94710 Phone: (787) 356-9115 e-mail: fransheskajoanne@gmail.com EDUCATION University of California, Berkeley CA Master of Science in Microbiology | 2011 University of Puerto Rico, Mayagüez P.R. Bachelor of Science in Industrial Biotechnology | 2009 Graduation Honors - Cum Laude WORK EXPERIENCE Gordon and Betty Moore Foundation | Palo Alto, CA Program Associate | Marine Microbiology Initiative, Science Program April 2013 - Present ☐ Provide programmatic and administrative support to the Initiative. ☐ The primary responsibilities include ensuring that the systems to manage grants and strategic program workflows are implemented efficiently by the MMI team through effective team coordination. Microbiology & Quality Associates, Inc. | Concord, CA Project Manager and Environmental Monitoring Coordinator | Microbiology Laboratory April 2012 – April 2013 Responsibilities include: communicating with client (meetings, conference calls or emails), generation of documentation (protocols and procedures), experimental design, placing schedules and maintaining it up to date for all parties involved, ensuring all resources are available (quotes, purchase orders and work orders), training, traveling to site and supervising execution, data analysis and report, and follow up support. Microbiology Analyst | Microbiology Laboratory May 2011 – April 2012 ☐ As team leader of the microbiology laboratory, responsibilities include managing technicians and scheduling daily tasks. Execute and report microbiological tests according to USP as well as chemical tests. Other responsibilities include maintenance of the laboratory equipment and laboratory reagents/supplies. ☐ Assist in method validation activities, including experimental design, data collection, data analysis, and report preparation. Department of Plant and Microbial Biology | UC - Berkeley Graduate Student Instructor | Microbiology Laboratory August 2010 - December 2010 As an instructor of microbiology, taught laboratory lectures and guided students step by step during each experiment. Discussed the scientific method in detail and evaluated their critical thinking through laboratory reports. Amgen Scholars Program by The Amgen Foundation | UC - Berkeley Graduate Student Advisor | Scientific training and mentorship May 2010 - August 2010 Under the guidance of Ms. Audrey Knowlton, advised undergraduate students' independent research with a faculty professor at UC Berkeley. Bioprocess Development and Training Center | Mayagüez, PR Internship Industrial Biotechnology August 2008 - December 2008 Start up team in charge of development of SOPs and validation for all the new scientific equipment of this center. Collaborated with the administrative offices in the procurement system and public relations. RESEARCH EXPERIENCE Applied Environmental Microbiology Lab | UC - Berkeley Graduate Student Researcher | Applied Environmental Microbiology August 2009 - May 2011 Worked in the Coates lab studying physiological mechanisms and environmental determinants of microbial metabolisms. Collaborated on unraveling the genetic and biochemical mechanisms of nitrate dependent iron (II) biooxidation at neutral pH. ☐ Explored other forms of primary productivity in non-photosynthetic microorganisms, like coupling photoreduced humics to abiotic iron reduction creating bioavailable iron for microbial oxidation. Amgen Scholars Program by The Amgen Foundation | UC - Berkeley

Undergraduate Student Researcher Applied Environmental Microbiology	June 2008 – August 2008
Under the mentoring and guidance of Dr. John Coates, successfully developed a novel spectro rapid screening of a transposon library of mutants as part of understanding the genetic mechan dependent iron biooxidation.	
Tropical Microbial Ecology Lab Sponsored by BioMINDS (Amgen Foundation) UPR - I	Mavagüez
Undergraduate Student Researcher Molecular Biology, Ecology and Statistics	January 2007 – May 2009
☐ Under the mentoring of Dr. Arturo Massol-Deya, worked on a project which provided primar diversity of the phyllosphere of tropical forest and the coffee tree in Puerto Rico through TRF	y insight of the microbial
REU Molecular Genetics & Biochemistry OSU - Columbus	
 Undergraduate Student Researcher Structural Biology, Biophysics and Biochemistry Under the mentoring of Dr. Mark P. Foster, worked on a project characterizing protein-protein subunits of the Ribonuclease P through NMR Spectroscopy. 	June 2006 – August 2006 n interactions between the
NIH Center Of Biomedical Research Excellence UPR-Mayagüez	
Undergraduate Student Researcher Microbiology and Ethno Botany Ja	anuary 2005 – August 2006
□ Evaluated different bioanalytical and microbiological methods to search for antimicrobial actinoparadisiaca with Dr. Joseph Bonaventura.	ivity in the sap of Musa
VOLUNTEER EXPERIENCE	
Casa Pueblo Institute of Biodiversity and Culture Adjuntas, PR Active Member since June 2003	
□ Volunteered in different cultural and educational activities as an interpretative guide in Bosqu in a hydroponics cultivar research with Dr. Arturo Massol and Ariel Massol.	
□ Supported and promoted the active conversationalist cause of the organization for projects management of Bosque de la Olimpia, and Vieques Island Restoration.	s such as conservation and
Ciencia Puerto Rico (www.cienciapr.com) Web Based Active Member since May 2011	
☐ CienciaPR is a web based networking alliance for Puerto Rican scientists and students. Involve research and creating a link between industry and academia.	ved in promoting scientific
Annual Biomedical Research Conference for Minority Students, 2009 Phoenix, AZ ☐ Ambassador of the University Of California- Berkeley outreach initiative to recruit minority students.	students for math and
science graduate programs.	
MARC and Sloan Program of the University of Puerto Rico Mayaguez, PR ☐ Volunteered as a mentor for the 2009 summer workshops on laboratory research for freshmen biochemistry, genetics and molecular microbiology.	n in the fields of
Upward Bound Math and Sciences of the Interamerican University of Puerto Rico San G □ Participated from 2002 to 2004 of this federal outreach program whose purpose is to engage of students in math and science by taking college level courses and performing independent science.	outstanding high school
SELECTED PUBLICATIONS, AWARDS AND RECOGNITI Van Trump, J.I., Rivera Vega, F.J. and Coates, J.D. 2013. Natural organic matter as global antenr <i>In Press</i> .	
August 2009 International House Gateway Fellowship Award of UC-Berkeley 2008 Featured BioMINDS student from the UPR - Mayaguez Amgen Foundation Charitable Co November 2008 Microbiology Poster Presentation Award Annual Biomedical Research Confer 2008 - 2009 NIH Foundation Minority Access to Research Career (MARC) 2008 - 2009 Biotechnology Mentorship Initiative to Develop Scientists Program (BioMINDS) T 2004 – 2009 Honor Roll of the College of Arts and Science of the UPR - Mayagüez	rence for Minority Students
2004 – 2009 National Math and Science SMARC Scholarship QUALIFICATIONSAND TECHNICAL SKILLS	
☐ Experience in project management and administration	
Experience in documentation for academic and industrial field (i.e. protocols, SOPs, reports)	
Experience in mentoring and training in the academic and industrial environment	
Development, optimization and validation of microbiological assays	DOD FIGH # PET P 2
Mastery of the following techniques: Anaerobe microbe culture, DNA extraction, PCR and rt 16S rDNA analysis, sequencing, cloning, cell culture, electrophoresis, HPLC, IC, GC, TOC, I	

studies
Strong communication skills in English and Spanish
Proficiency in MS Office software