

EXPERT'S PROFILE



Name of Grantee : DR. GERARD G. DUMANCAS
Area of Expertise : Analytical Chemistry (Chemometrics)
Inclusive Date of Contract : Short-Term Program
as BSP Awardee : 15 May – 12 August 2018
Host Institution : UP Visayas, Saint Paul Iloilo and University of San Agustin
E-mail Address : h.c.genuino@rug.nl

EDUCATIONAL BACKGROUND

Doctor of Philosophy in Analytical Chemistry, Oklahoma State University, 2012 **Bachelor of Science in Chemistry**, University of the Philippines Visayas, 2005

WORK EXPERIENCES

- 2016-present Louisiana State University - Alexandria Alexandria, LA USA, Alexandria, LA USA
Assistant Professor of Chemistry
- June-July 2016 GlaxoSmithKline King of Prussia, PA USA
Visiting Scientist (Chemometrician)
- 2014 – 2016 Oklahoma Baptist University Shawnee, OK USA
Instructor
- 2012 – 2014 Arthritis and Clinical Immunology Research Program Oklahoma Medical Research Foundation
Research Fellow
- 2007 – 2012 Department of Chemistry Oklahoma State University
Graduate Research and Teaching Assistant

To be accomplished as a BSP Awardee

All host institutions

- Conduct training on PAT, DOE, signal processing and data fusion techniques

UP Visayas Only

- Assist / mentor undergraduate and graduate students and faculty on their research works
- Provide assistance in the establishment of the Computational Facilities Core
- Propose projects related to the data fusion methods

Saint Paul University Iloilo and University of San Agustin Only

- Advanced signal processing research: predicting bound conformations and free energies of binding for small molecule ligands to macromolecule targets
- Advanced signal processing research: Use of FTIR and signal processing techniques to determine the authenticity of commercially available Philippine honey samples