

EXPERT'S PROFILE

Name of Grantee: ROMULO J. DE CASTRO, PhD
Area of Expertise: Bioinformatics, Neuroscience and Immunology
Inclusive Dates of Contract as BSP Awardee: Short-term Program
August 18 to November 15, 2015
(90 days)
Host Institution: Department of Biochemistry and Molecular Biology, College of Medicine, UP Manila

EDUCATIONAL BACKGROUND

Biomedical Informatics Fellowship, National Library of Medicine (NIH), 2012
Postdoc in Neurobiology, California Institute of Technology, The Burnham Institute, 2005
PhD in Human Biological Chemistry & Genetics, University of Texas Medical Branch, 1999
BS in Molecular Biology & Biotechnology, University of the Philippines, Manila, 1991, *Cum Laude*

PROFESSIONAL EXPERIENCE

2012 – present Technology Lead, 3R Biosystems, San Diego CA.
2010 – 2014 Director of Translational Science Navigation, Charles R. Drew University of Medicine and Science, Los Angeles CA.
2010 Scientific Consultant, Pathway Genomics Corporation, San Diego CA.
2005 - 2010 Senior Scientific Curator, Immune Epitope Database, La Jolla Institute for Allergy & Immunology, San Diego CA.
2007 – 2009 Assistant Director of Research (Biology), Autism Speaks, Los Angeles CA.
2001 – 2004 Postdoctoral Research Associate, The Burnham Institute, La Jolla CA.
1999 – 2001 Postdoctoral Scholar in Biology, California Institute of Technology, Pasadena CA.
1992 – 1999 Research and Teaching Assistant in Human Biological Chemistry & Genetics, University of Texas Medical Branch, Galveston TX.

TO BE ACCOMPLISHED AS BS AWARDEE:

1. Consult with the researchers of “Establishing the Biofunctional Activities of Combined Formulation of the Sampung Halamang Gamot (10HG)” to discuss the details of the project and to synthesize the researcher’s inputs in the design of the biological data repository and collaboration tool (10HG BDRCT);
2. Submit final report on the approved 10HG BDRCT final blueprint and online application;
3. Conduct trainings to admin/researchers on how to use 10HG BDRCT database;
4. Conduct lecture/workshop on the following topics to the researchers/students from UP Manila, Mapua, and other DOST stakeholders:
 - a. Informatics in Biomedical Research and Health: an ELSI view of Challenges and Prospects;
 - b. Informatics tools for basic and clinical research; and
 - c. Application of informatics to disasters.