

EXPERT'S PROFILE

Name of Grantee	MARK IHRWELL R. PETALCORIN, PhD
Area of Expertise	Genome editing and DNA repair
Inclusive Dates of Contract as BSP Awardee	Short-term Program June 8 – July 7, 2017
Host Institutions	Marine Science Institute, UP Diliman



EDUCATIONAL BACKGROUND

PhD Molecular Biology, Department of Molecular Cell Biology, Institute of Scientific and Industrial Research (ISIR), Osaka University, Japan, 2000

MSc Biochemistry, ISIR, Osaka University, Japan, 1997

MSc Agronomy, Seed Technology Laboratory, University of the Philippines Los Baños, 1994

BSc Agriculture maj. Agronomy-Plant Breeding and Genetics, University of the Philippines Los Baños, 1985 - 1989, Cum Laude

PROFESSIONAL AND RESEARCH EXPERIENCE

- 2015 – present **Associate Professor of Biochemistry**
Universiti Brunei Darussalam
Brunei Darussalam
- 2014 – 2015 **Principal Scientific Officer**
The Francis Crick Institute, London UK
- 2011 – 2014 **Principal Scientific Officer**
DNA Damage Response Lab, Clare Hall
Laboratories, London Research Institute-Cancer Research
UK (LRI-CRUK)
- 2007 - 2011 **Senior Scientific Officer**
London Research Institute-Cancer Research UK (LRI-CRUK)
- 2003 – 2007 **Research Fellow**
London Research Institute-Cancer Research UK (LRI-CRUK)
- 2000 – 2003 **Postdoctoral Research Associate,**
Pharmaceutical Science Research Division, Department of
Pharmacology, King's College London
- 1990 – 1994 **Instructor II**
Department of Agronomy,
University of the Philippines Los Baños
- 1989 – 1990 **University Research Associate**
Department of Agronomy,
University of the Philippines Los Baños

TO BE ACCOMPLISHED AS BSP AWARDEE:

1. Provide assistance to researchers and staff of UP Marine Science Institute (UP-MSI) who are working on the DOST-funded project, "Discovery and Development of Health Products (Marine Component) Project 2: Anti-Pain and Anti-Neurodegenerative Drug Candidates

- Discovery and Development” and provide training on the use of *C. elegans* in neurobiological research, focusing on chemotaxis and micromanipulation;
2. Provide valuable inputs to UP-MSI researchers in drafting proposals on neurobiological research to be submitted for possible funding under the DOST or the Newton fund;
 3. Conduct lectures and public seminars on the use of model organisms to study human diseases to graduate students, researchers and staff of UP-MSI, UP-NIMBB, and the Philippine Genome Center (PGC);
 4. Conduct meetings and discussions with research collaborators of the UP-MSI, UP-NIMBB, and PGC.