

EXPERT'S PROFILE

Name of Grantee: MARK IHRWELL R. PETALCORIN, PhD
Area of Expertise: Genome editing and DNA repair
Inclusive Dates of Contract: Short-term Program
as BSP Awardee June 13, 2016 – July 12, 2016 (30 days)
Host Institution: National Institute of Molecular Biology and Biotechnology, UP Diliman



EDUCATIONAL BACKGROUND

PhD Molecular Biology, Department of Molecular Cell Biology, Institute of Scientific and Industrial Research (ISIR), Osaka University, Japan, 1997 - 2000

MSc Biochemistry, ISIR, Osaka University, Japan, 1995 - 1997

MSc Agronomy, Seed Technology Laboratory, University of the Philippines Los Baños, 1990 - 1994

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

PROFESSIONAL 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 LRI-CRUK.
2003 – 2007	Research Fellow, London Research Institute LRI-CRUK
2000 – 2003	Postdoctoral Research Associate, Pharmaceutical Science Research Division, Department of Pharmcay, 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 BS AWARDEE:

1. Provide CRISPR/Cas9 genome editing hands-on training to five Research Assistants and five students in NIMBB, UP Diliman;

2. Provide capacity building on how to generate stable cell lines by training Research Assistants and students;
3. Conduct seminars on the use of CRISPR/Cas9 genome editing to study human diseases; and
4. Write a collaborative research proposal for submission to DOST or The Newton Fund (UK-funded)