

EXPERT'S PROFILE

Name of grantee: CHERYL P. ANDAM, PhD
Area of expertise: Microbial Genomics
Inclusive Date of Contract as BSP Awardee: Short-Term Program
10 July – 08 August 2017 (30 days)
Host Institution: Philippine Genome Center
E-mail Address: Cheryl.Andam@unh.edu



EDUCATIONAL BACKGROUND

Postdoctoral Research Fellow, 2016, Harvard University
Postdoctoral Associate, 2013, Cornell University
Ph.D. in Microbiology, 2011, University of Connecticut
MS in Biology, 2005, Binghamton University, State University of New York
BS in Forestry, 1998, University of the Philippines Los Baños

WORK EXPERIENCES

Present **University of New Hampshire, US**
Assistant Professor of Microbial Ecology

2015 – 2018 **University of Liverpool, UK**
Co-Supervisor and Honorary Research Fellow

2015 **Harvard University, US**
Co-Instructor on Nanocourse on Microbial Genomics

2009 – 2011 **University of Connecticut, US**
Research Assistant

2007 – 2008 **Binghamton University, State University of New York, US**
Research Assistant

TO BE ACCOMPLISHED AS A BSP AWARDEE

1. Draft a collaborative proposal with Dr. Arturo Lluísima of PGC, on using genomics for antibiotic discovery from soil bacteria
2. Draft a collaborative proposal with Dr. Pierangeli Vital, Dr. Windell Rivera and Dr. Marie Christine Obusan (UPD Institute of Biology) and Dr. Anita Bautista (National Institute of

Molecular Biology and Biotechnology) on genome sequencing of representative human pathogens found in the environment

3. Conduct seminars and training on the following topics:
 - a. Application of genomics in understanding the ecology and evolution of microbes
 - b. Life underneath: the secret life of soil microbes and applications to health and agriculture
 - c. Horizontal gene transfer
 - d. Training/workshop on large-scale genome sequencing methods and analyses of bacteria and archaea
4. Act as an advisor to undergraduate and graduate students doing their thesis.