

EXPERT'S PROFILE

Name of Grantee : Cheryl P. Andam, Ph.D.
Area of Expertise : Microbial Ecology, Evolution and Genomics
Inclusive Dates of Contract as BSP Awardee : Short-Term Program July 13, 2018 to August 11, 2018 (30 days)
Host Institution : National Institute of Molecular Biology and Biotechnology (Biotech), University of the Philippines – Los Baños



EDUCATIONAL BACKGROUND

Postdoctoral Research Fellow, Department of Epidemiology, Center for Communicable Disease Dynamics, Harvard T.H. Chan School of Public Health, 2014 – 2016
Postdoctoral Associate, Department of Crop and Soil Sciences, Cornell University, 2011 – 2013
Ph.D. Microbiology, Department of Molecular and Cellular Biology, University of Connecticut, 2008 – 2011
Graduate Certificate in College Instruction, Institute of Teaching and Learning, University of Connecticut, 2010 – 2011
Doctor of Medicine, University of the Philippines Manila, Manila, Philippines, 2008
M.S. Biology, Biological Sciences Department, Binghamton University SUNY, 2005 – 2007
Graduate courses in Environmental Science, School of Environmental Science and Management, University of the Philippines – Los Baños, 2001- 2005
B.S. Forestry, Department of Forest Biological Sciences, University of the Philippines – Los Baños, 1994 – 1998

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- American Association for the Advancement of Science (AAAS; 2009 to present)
- American Society for Microbiology (ASM; 2008 to present)
- Gamma Sigma Delta, The Honor Society of Agriculture (Lifetime member)
- International Society for Microbial Ecology (ISME; 2016 to present)
- New York Academy of Sciences (2010–2012)
- Sigma Xi, The Scientific Research Society (2012 to present)
- Society for Applied Microbiology (SfAM; 2012 to present)
- Society for Molecular Biology and Evolution (SMBE; 2010 to present)
- Society for the Study of Evolution (SSE; 2010–2012)

CERTIFICATION & LICENSES

PROFESSIONAL AND RESEARCH EXPERIENCE

2016-present	Assistant Professor of Microbial Ecology University of New Hampshire Department of Molecular, Cellular and Biomedical Sciences, Durham NH
2017	Instructor Department of Molecular, Cellular and Biomedical Sciences, University of New Hampshire, Durham NH
2016-2017	Mentor Department of Molecular, Cellular and Biomedical Sciences, University of New Hampshire Durham NH
2015-2018	Co-Supervisor and Honorary Research Fellow Nanocourse on Microbial Genomics, T.H. Chan School of Public Health, Harvard University, Cambridge, MA
2012-2013	Mentor Department of Crop and Soil Sciences, Cornell University, Ithaca, NY
2009-2011	Research Assistant Department of Molecular and Cell Biology, University of Connecticut, Storrs, CT
2010	Mentor Department of Molecular and Cell Biology, University of Connecticut, Storrs, CT
2008	Teaching Assistant Go Green Institute and Binghamton University SUNY, Binghamton, NY
2008	Co-Instructor of Record Department of Biological Sciences, Binghamton University SUNY, Binghamton, NY
2008-2009	Staff physician Southern Luzon Hospital and Medical Center Santa Rosa, Laguna, Philippines
2008	Co-Instructor of Record Department of Biological Sciences, Binghamton University SUNY, Binghamton, NY
2007-2008	Research Assistant Department of Biological Sciences, Binghamton University SUNY, Binghamton, NY
2006	Co-Instructor of Record Department of Biological Sciences, Binghamton University SUNY, Binghamton, NY
2005-2008	Teaching Assistant Department of Biological Sciences, Binghamton University SUNY, Binghamton, NY
2005	Research Assistant Department of Biological Sciences, Binghamton University SUNY, Binghamton, NY
2001-2005	Instructor

1999-2001

De La Salle University, Dasmarias, Philippines

Instructor

Cavite State University, Philippines

TO BE ACCOMPLISHED AS BS AWARDEE :

1. Finalize ongoing collaborative proposal on genomes of antibiotic-producing Actinobacteria from caves and microbes with the researchers of the Biotech Natural Products Biotechnology Program.
2. Develop project framework for additional sampling sites and sequencing projects of Actinobacteria with the researchers of the Biotech Natural Products Biotechnology Program.
3. Write draft of review paper on the diversity and evolution of Streptomyces bacteria from rare habitats (caves, mangroves, animal gut) and implication to drug discovery and public health, with the researchers of the Biotech Natural Products Biotechnology Program as co-author.
4. Conduct lectures, seminars and trainings to Biotech and UP Los Baños students, staff and faculty on the following topics:
 - a. microbial population and comparative genomics
 - b. application of genomics to drug discovery and public health
5. Act as an external advisor to UP Los Baños and Biotech graduate students in their thesis projects.