EXPERT'S PROFILE

Name of Grantee	: **Albert B. Flavier, Ph.D.**
Area of Expertise	: Microbial Biotechnology, Bioinformatics
Inclusive Dates of Contract as BSP Awardee	: Short-Term Program May 21, 2018 - August 3, 2018 (75 days)
Host Institution	**:** Marine Science Institute, University of the Philippines - Diliman

EDUCATIONAL BACKGROUND

Ph.D. Plant Pathology, University of Georgia, Athens, Georgia, 1997
M.S. Biology, University of South Carolina, Columbia, South Carolina, 1991
B.S. Biology, University of the Philippines. Diliman, Quezon City, Philippines, 1985

CERTIFICATION & LICENSES

Certificate of participation: Pichia Fermentation Workshop

PROFESSIONAL AND RESEARCH EXPERIENCE

2013-present	**Instructional Assistant Professor - Biotechnology** University of Houston, Houston, TX
2011-2012	**Visiting Scientist – Virus-induced gene silencing in corn** University of California, San Diego, CA
2006 - 2011	**Scientist – Microbial biotechnology, antibody engineering** Biogen-Idec Inc., San Diego, CA
2005 - 2006	**Visiting Scientist – Gene regulation/protein expression** University of California, San Diego, CA
2000 – 2004	**Staff Scientist –** Industrial Microbial Biotechnology and Drug Discovery Diversa Corporation, San Diego, CA
1997 – 2000	**Post-Doctoral Research – Fungal and bacterial genomics and genetics** Syngenta Agribusiness Biotechnology Research, Inc. - Research Triangle Park, NC
1991 - 1996	**Ph.D. Research - Bacterial genetics and physiology** Department of Plant Pathology - University of Georgia, Athens, GA

TO BE ACCOMPLISHED AS BS AWARDEE :

1. Assist and train the researchers of the Discovery and Development of Health Products Program-Marine Component (DPHP-MC) program on development of expression systems and screening for antifungal metabolites through the following activities:

a. Test candidate vectors and host for the heterologous expression of biosynthetic gene clusters identified from the genome mining of bacterial isolates obtained from DDHP Phase 2 program.
b. Compare the cloning efficiency of the candidate vectors. Not done
c. Develop an activity screen for antifungal metabolites. Done

2. Consultation meeting to discuss the project on drug discovery and microbial technology.
3. Conduct a seminar at the Marine Science Institute entitled "Functional screening of environmental DNA libraries for “fungicides and industrial enzymes" to the DDHP program staff and Marine Science Institute (MSI), Institute of Biology (IB), Institute of Chemistry staff and graduate students.
4. Present the final report of the BSP work to the DDHP program staff and MSI, Institute of Biology, Institute of Chemistry staff and graduate students at the Marine Science Institute.