

## EXPERT'S PROFILE

**Name of Grantee :** JOHN C. GOMEZ, PhD  
**Area of Expertise :** Genomics (Innate immunity, host defense, neutrophil biology)  
**Inclusive Dates of Contract as BSP Awardee :** Short-Term Program  
08 November 2013 - 22 February 2014  
**Host Institution :** UP National Institute of Molecular Biology and Biotechnology (UP-NIMBB)  
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## EDUCATIONAL BACKGROUND

**PhD in Pathology (Molecular and Cellular Basis of Disease)**  
Case Western Reserve University, Cleveland, OH, 2008  
**MS in Medical and Research Technology**  
University of Maryland at Baltimore, 2000  
**BS in Medical Technology**, Saint Louis University, Baguio City, 1993

## PROFESSIONAL EXPERIENCE

2008 - present **Postdoctoral Research Associate**  
University of North Carolina at Chapel Hill

2001 - 2008 **Graduate Student Researcher**  
Case Western Reserve University

2000 **Research Technician**  
University of Maryland at Baltimore

1994 - 2000 **Medical Technologist**  
Immunology/Serology  
Quest Diagnostics, Baltimore, MD

## TO BE ACCOMPLISHED AS BS AWARDEE

- a) Give advice on transcriptome analysis of mRNAs and miRNA particularly associated with bacterial infections, and help draft a research proposal on profiling genes expressed in response to bacterial/viral infections;
- b) Discuss with SEAFDEC and PGC researchers the design and implementation of the nationwide shrimp pathogen biosurveillance database, and continue to offer advice on analysis and cross-referencing of data;
- c) Act as resource person in the NIMBB to give advice, lecture, and discussion on mechanism of innate immunity during malarial infection to assist in the research

project "The Role of Anti-Plasmodium falciparum MSP1 Block 2 antibodies in Host Protection Against Clinical Malaria"; and  
e) Give advice on various modes of analyzing the pharmacogenetics of a particular drug targeting an infectious disease.