

EXPERT'S PROFILE

Name of Grantee: ZENAIDA V. MAGBANUA, PhD
Area of Expertise: Genomics, Biocomputing, and Biotechnology
Inclusive Date of Contract as BSP Awardee: Short-Term Program
03 November 2014 – 20 February 2015
Host Institution: UP NIMBB
Email Address: zvm2@pss.msstate.edu

EDUCATIONAL BACKGROUND

PhD in Biochemistry and Molecular Biology, Mississippi State University, 2004
MS in Crop and Soil Sciences, The University of Georgia, 1999
BS in Chemical Engineering, University of the Philippines, 1982

PROFESSIONAL EXPERIENCE

2010 - present **Assistant Research Professor**
Institute of Genomics, Biocomputing and Biotechnology
Mississippi State University

2004 - 2010 **Postdoctoral Associate**
Department of Plant and Soil Sciences
Mississippi State University

2001 - 2004 **Graduate Research Assistant**
Department of Biochemistry and Molecular Biology
Mississippi State University

1999 - 2001 **Graduate Research Assistant**
Department of Botany
The University of Georgia

1996 - 1999 **Graduate Research Assistant**
Department of Crop and Soil Sciences
The University of Georgia

1994 - 1996 **Agricultural Research Assistant III**
Department of Crop and Soil Sciences
The University of Georgia

1991 - 1994 **Research Assistant II**
1990 - 1991 **Research Assistant I**
Department of Cell Biology
Vanderbilt University Medical Center
Nashville, TN

1989 - 1990 **Laboratory Technician**
Elnic, Inc.
Nashville, TN

1988 - 1989 **Senior Science Research Specialist**
Philippine Council for Advanced Science and Technology
Research and Development
Department of Science and Technology
Taguig, Metro Manila

1986 - 1988 **Patent Examiner II**
1984 - 1986 **Patent Examiner I**
1983 - 1984 **Patent Researcher**
Bureau of Patents, Trademarks, and Technology Transfer
Metro Manila

TO BE ACCOMPLISHED AS BS AWARDEE

1. Lectures and public seminars in genomics bioinformatics pipeline for plant genome analysis, and experimental design for Next-Generation Sequencing for UP NIMBB graduate students and personnel, and the Philippine Genome Center (PGC) researchers;
2. Hands-on training and exercises in bioinformatics and assistance in the analysis of next-generation sequence data for the DOST-PCAARRD projects “Coconut Genome Sequencing” and “Coconut Transcriptome Sequencing”;
3. Meetings and discussions with genomics researchers at the UP NIMBB and the PGC; and
4. Meetings, discussions and consultations with the Coconut Genome Sequencing Team