

## EXPERT'S PROFILE

<b>Name of Grantee</b>	<b>ROSALIA C. M. SIMMEN, Ph.D.</b>
<b>Area of Expertise</b>	Developmental and Nutritional Aspects of Breast and Reproductive Cancers, Women's health issues
<b>Inclusive Dates of Contract as BSP Awardee</b>	Short-term Program Phase 1: Oct. 10 – 25, 2017 Phase 2: Mar. 16 – Apr. 4, 2018
<b>Host Institutions</b>	Institute of Biology, University of the Philippines Diliman



## EDUCATIONAL BACKGROUND

**Postdoctoral (Molecular and Cell Biology)**, Baylor College of Medicine (Houston), 1985  
**Doctor of Philosophy (Biochemistry)**, University of Hawaii (Honolulu), 1980  
**Bachelor of Science (Chemistry)**, University of the Philippines (Quezon City), 1973

## PROFESSIONAL AND RESEARCH EXPERIENCE

- 2002 – Present **Professor**  
Departments of Pediatrics and Physiology & Biophysics  
University of Arkansas, AR, USA
- 2002-2013 **Senior Investigator in Developmental Biology**  
Arkansas Children's Nutrition Center
- 1995-2002 **Professor**  
University of Florida, FL, USA
- 2001-2002 **Adjunct Professor**  
Large Animal Clinical Sciences, College of Veterinary  
Medicine, University of Florida, FL, USA
- 1999-2002 **Faculty**  
Genetics Institute, University of Florida, FL, USA
- 1999-2001 **Co-Director**  
Interdisciplinary Concentration in Animal Molecular and  
Cell Biology, University of Florida, FL, USA
- 1995-1996 **Director**  
Department of Animal Sciences, University of Florida, FL, USA
- 1995-2002 **Co-Director**  
Interdisciplinary Concentration in Animal Molecular and  
Cell Biology, University of Florida, FL, USA
- 1993 **Founding Member**  
Interdisciplinary Concentration in Animal Molecular and  
Cell Biology, University of Florida, FL, USA
- 1989-1995 **Associate Professor**  
University of Florida, FL, USA
- 1985-1989 **Assistant Professor**  
Department of Animal Science and Laboratories of Molecular  
and Developmental Biology, The Ohio State University, OH, USA

- 1980 **Instructor in Biochemistry**  
Continuing Education Program, Honolulu  
Triple Army Medical Center, HI, USA
- 1976-1977 **Instructor and Teaching Assistant in Biochemistry**  
University of Hawaii, HI, USA
- 1975-1976 **Instructor in Chemistry**  
University of the Philippines

**TO BE ACCOMPLISHED AS A BSP AWARDEE:**

1. Serve as a consultant/mentor to PCARI scholars of UP Institute of Biology under the PCARI-funded project entitled, "Establishment of a Philippine cancer phenome-biobanking system and biomonitoring program on endocrine disruptors" by:
  - a. Mentoring students and research assistants in optimizing culture conditions for growing endocrine-related cancer cells isolated from patients;
  - b. Providing expert feedback to students doing their thesis proposals under the project;
2. Serve as a consultant/mentor to PCARI scholars of UP Institute of Biology under the PCARI-funded project entitled, "Development of in vivo and in vitro Models for the Study of Endometriosis in the Philippines" by:
  - a. Providing technical assistance to students and research assistants in optimizing transformation and transfection protocols for luciferase-based reporter assay;
  - b. Providing expert feedback to students doing their thesis proposals under the project;
3. Submit a review manuscript on diet and endometriosis for publication on a local or international journal;
4. Conduct institutional meeting with PGC investigators for possible research collaboration on genomics and molecular approaches to breast and reproductive cancers;
5. Conduct a special lecture on reproductive endocrinology to undergraduate and graduate students, faculty and staff of UP Institute of Biology; and
6. Conduct lectures and presentations on researches related to functional foods and endometriosis to faculty, researchers and students of the UP Institute of Biology, Philippine Genome Center, Philippine Carabao Center, UP Manila College of Medicine, Philippine General Hospital, and UP National Institute of Health.