

## EXPERT'S PROFILE

**Name of Grantee:** JONEL P. SALUDES, PhD  
**Area of Expertise:** Organic Chemistry and Chemical Biology  
**Inclusive Dates of Contract as BSP Awardee:** Long-Term Program  
September 1, 2015 to August 31 2018  
(3 years)  
**Host Institution:** University of San Agustin, Iloilo City

## EDUCATIONAL BACKGROUND

**PhD in Organic Chemistry**, University of California, Davis, California, USA, 2009  
**MS in Natural Products Chemistry**, University of Santo Tomas, Manila, Philippines, 1999  
**BS in Chemistry**, University of San Agustin, Iloilo City, Philippines, 1991

## PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- American Association for Cancer Research, 2011–Present
- American Association for the Advancement of Science, 2010–Present
- American Chemical Society, 2004–Present
- American Peptide Society, 2014–Present
- American Society for Exosomes and Microvesicles, 2014–Present
- International Society for Extracellular Vesicles (*Founding Member*), 2011–Present
- Sigma Xi, The Scientific Research Society, 2013 –Present

## INTELLECTUAL PROPERTY AND PROVISIONAL PATENTS

- Cationic Peptides for Intracellular Delivery of Bioactive Molecules.  
Saludes JP, Monreal IA. *USA Prov. Appl.* **2014**, 62/077,819.
- Composition, Methods and Uses for Peptides in Diagnosis, Progression and Treatment of Cancers.  
Yin H, Saludes, JP, Morton, LA. *USA Prov. Appl.* **2011**, 61/528,959; *PCT Int. Appl.* **2012**, US2012/053225.

## PROFESSIONAL AND RESEARCH EXPERIENCE

2012 – 2015            Assistant Professor of Chemistry. Washington State University.

2010 – 2012            Postdoctoral Fellow in Chemical Biology. Department of Chemistry & Biochemistry and BioFrontiers Institute, University of Colorado Boulder.

2009 – 2010            Postdoctoral Scholar. Department of Chemistry, University of California Davis.

2003 – 2009            Teaching and Graduate Research Assistant. Department of Chemistry, University of California Davis.

1999 – 2003                      Assistant Professor and Chair. Department of Chemistry, University of San Agustin, Philippines.

1994 – 1996                      Lecturer. University of San Agustin, Philippines.

**TO BE ACCOMPLISHED AS BS AWARDEE:**

1. Establish a chemical biology research program, with a working title “Development of cell penetrating peptide-small molecule conjugates as improved therapeutics for intracellular pathogens,” by conducting the following activities:
  - a. Design peptide-small molecule conjugates and determining the antibacterial properties of these conjugates against drug-resistant *M. tuberculosis* and *S. aureus*;
  - b. Direct and oversee data gathering, data processing, manuscript preparation, and manuscript submission; and
  - c. Sharing research findings to the scientific community and general public thru publication of research findings in peer-reviewed journal;
2. Conduct lectures to BS Chemistry students on the following courses:
  - a. Chem 119 (Instrumental Methods of Analysis);
  - b. Chem Elective 1 (Advanced Organic Chemistry); and
  - c. Chem 103 (Organic Chemistry);
3. Conduct lecture on advance organic chemistry to students of MS Chemical Education;
4. Serve as a research adviser to BS Chemistry students with thesis on chemical biology;
5. Conduct the following lectures and workshops to the faculty members of Science, Technology, Engineering and Mathematics (STEM) of USA and to the staff/member institutions of Western Visayas Health Research and Development Consortium (WVHRDC):
  - a. Effective Grant Proposal Writing;
  - b. Effective Professional Research Poster Presentation;
  - c. Effective Professional Research Oral Presentation; and
  - d. Effective Manuscript Writing.