

## EXPERT'S PROFILE



**Name of Grantee** : **DR. NARCEO B. BAJET**  
**Area of Expertise** : Plant Pathology  
**Inclusive Date of Contract as** : January 9-February 27, 2017  
April 1- May 10, 2017  
**BSP Awardee** (Short-Term Expert Category) Non-Continuous  
**Host Institution** : Tarlac Agricultural University  
**Contact Number** : 0928-1819040  
**E-mail Address** : nbbajet@yahoo.com

### EDUCATIONAL BACKGROUND

- PhD (Plant Pathology); University of Illinois at Urbana-Champaign, Urbana, Illinois, USA
- MS in Agriculture (Plant Pathology); University of the Philippines Los Baños (UPLB), Los Baños
- BS in Agriculture; University of the Philippines Los Baños (UPLB), Los Baños

### Significant Achievement

- Actively participated in an FAO-IAEA-coordinated international project on the use of immunoassays to analyze pesticides in vegetables, fruits and in the soil; implemented various collaborative research grants with scientists in the USA, UK, Australia, Japan, Malaysia, and Thailand and with scientists at IRRI and Philippines;
- Received professional recognitions in the Philippines including the GO Ocfemia Outstanding Plant Pathologist Award; CY Eusebio Memorial Award in Molecular Biology, and Best Paper and Poster Awards, among others.

### WORK EXPERIENCE

- 2009-present **Senior Scientist**  
Eurofins STA Laboratories, Inc., Longmont, Colorado, USA
- 2007-2009 **Laboratory Director** (Salinas/San Juan Bautista, CA), **Microbiologist**  
Molecular Epidemiology/IEH Laboratories & CG, Seattle, WA.
- 2004-2007 **Research Plant Pathologist**  
Yakima Agricultural Research Laboratory  
USDA-ARS, Wapato, WA  
**Research Associate Affiliate**  
Washington State University, Prosser, WA
- 1989-2003 Professor (promoted from Assistant and Associate Professor)  
University of the Philippines Los Baños (UPLB); Los Baños, Laguna
- 1997- 1998 **Field Supervisor**  
Del Monte Fresh Produce, Kunia, HI

- 1983-1988 **Postdoctoral Fellow/Associate Scientist**  
International Maize and Wheat Improvement Center (CIMMYT; Maize Program) and the International Rice Research Institute (IRRI),

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

<b>Activities</b>	<b>Deliverables</b>
1. Collection of sweet potato samples with Kulot and other virus-like disease abnormalities	Isolate of Sweetpotato virus-infected plants/seedlings maintained in cages/greenhouse
2. Review of NCM-ELISA kit; cursory evaluation of items in the ELISA/Tissue culture project proposal approved for funding; prepare an inventory of the ELISA or PCR supplies and materials for SP virus detection	Inventory of the NCM-ELISA kits; General description of ELISA with TAU staff  List of suggestions on pieces of equipment, supplies and materials to implement the NCM-ELISA and towards migration to microtiter plate format  Work Instructions/Methods based on current TAU capabilities on ELISA with defined sensitivity, reliability, robustness, and reproducibility, and other parameters
3. Visual examination of the physical facilities	Recommendations for future improvement of the facility based on the evaluation of the existing physical facilities Sketch of floor plan
4. Implement ELISA testing of isolates in cuttings, calli/primary explants or initial shoots prior to release to collaborators for further propagation	<ul style="list-style-type: none"> <li>a. Isolates in pots/screen-houses screened by ELISA</li> <li>b. Population of calli/explants and C1 and C2 tissue cuttings screened for freedom of SP viruses</li> </ul>
5. Deliver Lectures and Seminars	Training modules Print-outs of presentations on Methods of the following: (1) Detection/Diagnosis of Plant Viruses: (1a) Symptoms, (1b) ELISA and PCR; (2) Plant Disease Management
6. Conduct Training and Workshop	TAU staff competence on ELISA and PCR developed/enhanced