

EXPERT'S PROFILE

Name of Grantee : **MARIA FELICIA F. CANTO-JACOBS, AIA, LEED, AP, EDAC**

Area of Expertise : Architecture (Laboratory and Equipment Planning: Academe, Healthcare, Government)

Inclusive Dates of Contract as BSP Awardee : Short-Term Program
Phase 1: 09 June – 07 July 2014
Phase 2: 11 August – 08 September 2014
Phase 3: 24 September – 21 October 2014

Host Institution : Philippine Genome Center

EDUCATIONAL BACKGROUND

MS in Architecture Studies and Master of City Planning,
Massachusetts Institute of Technology, 1984
BS in Architecture, University of the Philippines, 1980

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- American Institute of Architects
- American Biological Safety Association
- American Association for Laboratory Animal Science
- International Institute for Sustainable Laboratories

REGISTRATIONS / CERTIFICATIONS

- Registered Architect
 - State of Maryland, USA
 - Commonwealth of Virginia, USA
 - District of Columbia, USA
 - Philippines (since 1982)
- National Council of Architecture Registration Board Certified
- Evidence Based Design certified by the Center for Health Design (EDAC), 2012
- Leadership in Energy and Environmental Design (LEED) Accredited Professional, 2006
- Interior Design, NCIDQ, 2003

PROFESSIONAL and PROJECT EXPERIENCE

2013 – present **Laboratory Planner and Architect**
National Institutes of Health
University of the Philippines
Ermita, Manila

2013 – present **Consultant Laboratory Planner and Architect**
Philippine Genome Center
University of the Philippines
Diliman, Quezon City

2011 Lead Laboratory Planner
College of Veterinary Medicine
New Infectious Disease Research Facility (IDRF)
Virginia Polytechnic Institute (Virginia Tech)
Blacksburg, VA

Lead Laboratory Planner
HITT Contracting
Janelia Farm Campus
Howard Hughes Medical Institute
Ashburn, VA

**Equipment Planner, Construction Details and Specifications, and
Lead Architectural Quality Assurance Reviewer**
Fort Bliss Replacement Hospital
El Paso, TX

Space Needs Surveyor, Space Planner
National Institutes of Health (NIH) Warren Grant Magnuson Clinical Center and
Mark O. Hatfield Clinical Research Center
Bethesda, MD

Healthcare and Laboratory Consultant
Waste and Effluent Management Studies
Philippine General Hospital

Consultant Architect and Laboratory Planner
Newborn Screening Central Visayas Laboratory Renovation and Expansion
West Visayas State University

Laboratory Planner and Construction Coordinator
US Department of Health and Human Services (DHHS)
Maryland Public Health Laboratory
Baltimore, MD

Project Laboratory Planner
US Army Corps of Engineers
Benet Laboratories Consolidation
Watervliet, NY

Laboratory Planner and Project Manager/Controls
US DHHS/SAIC-F National Cancer Institute at Frederick Building 560 Wing 1 Floor 1
Renovation and N+1 HVAC Systems Redundancy Concept Design
Fort Detrick, Frederick, MD

Lead Biomedical Laboratory Planner
Armed Forces Research Institute of Medical Sciences (AFRIMS)
Bangkok, Thailand

Lead Laboratory Planner
Naval Medical Research Unit #3
NAVFAC Mid-Atlantic
Cairo, Egypt

Lead Laboratory Planner

US Army Corps of Engineers, HFPA
Joint Center of Excellence for Medical Biological Defence Research
Fort Detrick, Frederick, MD

Lead Laboratory Planner

National Institutes of Health (NIH), National Cancer Institute (NCI) Laboratory of
Receptor Biology and Gene Expression
US DHHS
Bethesda, MD

Project Architect and Laboratory Planner

US DHHS / NIH / NCI Building 41 Stem Cell Laboratory
Bethesda, MD

Lead Laboratory Planner

US National Institute of Standard and Technology (NIST)
Gaithersburg, MD

Lead Morgue Planner and Designer

New State Laboratory for Public Health and Medical Examiner Offices
US DHHS
Raleigh, NC

Project Architect and Designer

US NIH Building 67 Renovation
Bethesda, MD

Project Laboratory Planner

National Institute of Allergy and Infectious Diseases (NIAID)
Biomedical Research Building
US NIH
Bethesda, MD

Laboratory Planner

Chemistry and Engineering Building
Research Triangle Institute
Durham, NC

TO BE ACCOMPLISHED AS BS AWARDEE :

1. Identify the LEED certification target goals for energy efficiency and resource use;
2. Attend project initiation, mobilization, and progress meetings with end users, multidiscipline designers, and construction management;
3. Attend project design meetings with PGC executive team and end users to confirm program requirements;
4. Review cost drivers and respond to concerns in laboratory operations, validation, and accreditation;
5. Examine energy saving measures and perform evaluations using innovative sustainable design / whole building approach modelled after the US Green Building Council and US Department of Energy Labs 21 standards; and
6. Conduct on-board review workshops.