

CONVENTION PROGRAM

JULY 21

0700-0830

Registration

0830-0900

Opening Ceremonies

Processional

Invocation and National Anthem

Mr. Ronilo Jose D. Flores

Osaka University and Institute of Biological Sciences,

CAS UPLB

Welcome Address

Dr. Prima Fe R. Franco

OIC-President, MMSU

Dr. Gilbert R. Arce

President, UNP-Vigan

Opening Remarks

Dr. Marian P. de Leon

President, PSM

0900-0915

Introduction of the Inspirational Speaker

Ms. Olivia C. Emata

PSM Past President, 2013-2014

Inspirational Message

Ms. Beverly Lopez

Cabuyao SNO/IWS Leader

Procter & Gamble Philippines, Inc.

0915-0940

Introduction of the Keynote Speaker

Dr. Reynaldo V. Eborá

PSM Past President, 1998-1999 and

Executive Director, PCAARRD-DOST

Keynote Address

Prof. Toshiomi Yoshida

Professor Emeritus and Director

International Center for Biotechnology Osaka University

0940-1030

Ribbon Cutting for Exhibits and Poster Presentation

Snacks

1030-1040

Intermission

Mr. Ronilo Jose D. Flores

Osaka University and Institute of Biological Sciences,

CAS UPLB

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1040-1100

PSM Awards

Dr. Windell L. Rivera
Chair, Awards Committee and
PSM Immediate Past President, 2014-2015

1100-1130

PAM Ceremonies

Dr. Virginia C. Cuevas
Chair, PAM

1130-1200

Group Picture Taking

*Mr. Howell T. Ho and Dr. Marilen P. Balolong
Masters of Ceremonies*

1200-1330

**Lunch
Poster Viewing**

1330-1415

Plenary Lecture 1

Exploring marine sediment-derived microorganisms
through biotechnological applications for natural
product drug discovery

Dr. Doralyn S. Dalisay
Department of Pharmacy
University of San Agustin
Iloilo City
DOST Balik Scientist

Moderator: Dr. Ma. Auxilia T. Siringan (PSM Past
President, 2009-2010)

1415-1500

Plenary Lecture 2

Asian gut microbiota - what does it tell us?

Dr. Yuan Kun Lee
Associate Professor
Department of Microbiology
Yong Loo Lin School of Medicine
National University of Singapore
Singapore and
President, International Union of Microbiological
Societies

Moderator: Dr. Francisco B. Elegado (PSM Past
President, 2009-2010)

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1500-1545

Plenary Lecture 3

Phage biotechnology for foods and animals
Dr. Craig Billington

Senior Scientist, Institute of Environmental Science and Research Ltd (ESR)
Canterbury & West Coast, New Zealand

Moderator: Dr. Supachai A. Basit (PSM Past President, 2012-2013)

1545-1630

Snacks
Poster Viewing and Judging

1630-1800

PSM General Assembly Meeting

1800-1900

Osaka University-UNESCO Post Graduate in Microbiology Alumni Meeting

1900-2100

Fellowship Dinner

JULY 22

0700-0800

Registration

0800-0845

Plenary Lecture 4

SAMBA: a rapid molecular point-of-care technology for HIV-1 diagnosis and viral load monitoring

Dr. Lourdes M. Nadala

Director, Regulatory and Scientific Affairs Diagnostics Real World Ltd. and
Vice-President, Quality Assurance and Regulatory Support Pi Bioscientific Inc. USA

Moderator: Dr. Delia DC. Ongtengco (PSM Past President, 1993-1994)

0845-0930

Plenary Lecture 5

Plant secondary metabolite engineering using heterologous expression of plant glycosyltransferases in yeasts

Prof. Kazuhito Fujiyama

Laboratory of Applied Microbiology
International Center for Biotechnology
Osaka University, Japan

Moderator: Dr. Maribel D. Sese (PSM Past President, 2005-2006)

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0930-1015

Plenary Lecture 6

Bioconversion of marine and industrial biomass for production of value-added lipids and terpenoids

Prof. Tsunehiro Aki

Graduate School of Advanced Sciences of Matter
Hiroshima University, Japan

Moderator: Dr. Ernelea P. Cao (PSM Past President, 2006-2007)

1015-1100

Snacks

Poster and Exhibits Viewing

1100-1145

Plenary Lecture 7

Comparative metagenomics of disease conducive and suppressive soils

Dr. Wen-Ling Deng

Associate Professor

Department of Plant Pathology

College of Agriculture and Natural Resources

National Chung Hsing University

Moderator: Dr. Jessica F. Simbahan (PSM Past President, 2011-2012)

1145-1230

Plenary Lecture 8

Understanding the pig gut microbial ecology as a model of the human gastrointestinal tract

Dr. Dae-Kyung Kang

Editor-in-Chief, Korean J. Food Sci. An.

Associate Professor

Laboratory of Industrial Microbiology and Biotechnology,

Department of Animal Resources Sciences, Dankook

University, Cheonan, Republic of Korea

Moderator: Dr. Bernadette C. Mendoza (Assoc. Prof., UPLB)

1230-1330

Lunch

Poster Viewing

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1330-1345

Product Demonstration

Mr. Alex Lim

Regional Sales Manager for Asia-Pacific Bio-Rad
Science Division

1345-1400

**Mechanics for Best Paper Competition
Professional and Undergraduate**

Dr. Pierangeli G. Vital

Chair, Best Paper Competition

1400-1630

BEST PAPER COMPETITION

1400-1420

Biogenic synthesis and characterization of gold nanoparticles (AuNPs) produced by bacterial isolates NBL1a and NBLB31
SA Cariño, AD Montecillo, MTJL Atienza, ES Paterno, LL Ilag, and LM Fernando

1420-1440

Biodegradation of high density polyethylene (HDPE) by bacteria isolated from root nodules of *Phaseolus vulgaris*
JB Melegrito, RDS Sabaten, MR Caranto, and RQ Baculi

1440-1500

Antibiotic resistant bioluminescent vibrios from selected Philippine aquacultured organisms

VJ Manzano, AF Langaoen, ER Requilman, MP Munar, JA Tabardillo Jr., MBB Maningas, and RJ Calugay

1500-1530

Snacks

1530-1550

Isolation and purification of bioactive secondary metabolites from *Teredinibacter turnerae* isolated from *Lyrodus pedicellatus* (Bivalvia, Teredinidae)
NM Lacerna, JMD Robes, JO Tun, MA Altamia, L Salvador-Reyes, GP Concepcion, and MG Haygood

1550-1610

Development of inoculation strategies for lignocellulosic hydrolysate fermentation using hexose and pentose utilizing yeast strains
ICA Asin, JS Maloles, IG Pajares, VA Alcantara, and JF Simbahan

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JULY 22	1610-1630	Whole genome analysis identifies novel single nucleotide variants (SNV) implicated in the development of fluoroquinolone resistance of clinical isolates of <i>E. coli</i> from the Philippines <i>AKL Sulit, EN Lagamayo, JA Navoa-Ng, RR Matias, and MLG Daroy</i>
	1630-1700	Announcements Dr. Veronica P. Migo Chair, Technical Sessions
JULY 23	0730-0830	Registration
	0830-1215	Parallel Sessions
		Food and Medical Microbiology and Biotechnology (Function Room A) Session Chair: Dr. Lucille C. Villegas
	0830-0850	Lead Paper <i>Neopullulanase from <i>Lactobacillus mucosae</i> LM1: overexpression in <i>E. coli</i> and biochemical characterization MP Balolong and DK Kang</i>
	0850-0905	<i>The global proteome of <i>Lactobacillus mucosae</i> LM1 reveal putative moonlighting proteins possibly related to its adhesion property BB Bagon, SH Kim, VDV Valeriano, EAB Pajarillo, MP Balolong, and DK Kang</i>
	0905-0920	<i>Analysis of in vitro and molecular virulence of <i>Salmonella enterica</i> PAP Paclibare and WL Rivera</i>
	0920-0935	<i>The microbiology of Philippine cacao in fermentation I Pajares, V Alcantara, N Organo, A Devanadera, R Arriego, C Bondoc, L Cielo, MJ Moran, JD Ong, and JF Simbahan</i>
	0935-0950	<i>Identification and genotyping of norovirus and rotavirus strains isolated from pediatric cases of diarrhea in Metro Manila LS Fajardo, T Yahiro, MCC Cortes, MVC Ribaya, T Matsumoto, A Nishizono, K Ahmed, and MLG Daroy</i>

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0950-1030

Session Break / Snacks
Poster Viewing

Aquatic, Agriculture, and Veterinary Microbiology and Biotechnology (Function Room A)
Session Chair: Dr. Rolando V. Pakingking

1030-1100

Lead Paper

Putative targets of virus-induced teleost fish homologues of mammalian-immune relevant microribonucleic acid | DC Bela-ong

1100-1115

Plant growth promoting characteristics of endophytic fungi isolated from the roots of Diket Red, a traditional Cordillera Rice Variety from Bokod, Benguet, Philippines | CHD Pablo, JRR Pagaduan, HKC Langres, and RM Hipol

1115-1130

Isolation, characterization and evaluation of arbuscular mycorrhizal fungi (AMF) associated with wild legumes and cogon grass | PL Osillos and AL Nagpala

1130-1145

Optimization of glycolipid mannosylerythritol lipids (MELs) production by *Pseudozyma aphidis* SNO46 using response surface methodology | JC Yee, JY Leu, CW Chang, YL Lai, CS Tu, J Anthoniappen, TH Lin, YT Leu, and PJJ Geraldino

1145-1200

Schizoparme, Coniella and Pilidiella: together we are one | LV Alvarez, JZ Groenewald, and PW Crous

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JULY 23

Microbiology Education (Function Room B)
Session Chair: Mr. Joel C. Cornista

- 0830-0850 Lead Paper
Enhancement of Microbiology Education in the Philippines |
Dr. Asuncion K. Raymundo
- 0850-0905 Status of Microbiology Education in the Northern Luzon Region
| Dr. Prima Fe R. Franco—OIC President, MMSU
- 0905-0920 Status of Microbiology Education in the National Capital Region
| Dr. Windell L. Rivera—Director, NSRI and Professor, IB-UPD
- 0920-0935 Status of Microbiology Education in the Bicol Region | Ms.
Sarah May Querubin—Associate Professor, Ateneo de Naga
- 0935-0950 Status of Microbiology Education in the Visayas Region | Ms.
Cynthia L. Limsiaco—Associate Professor, WVSU
- 0950-1005 Status of Microbiology Education in Mindanao Region | Dr.
Anilyn Tampus—Associate Professor, MSU-IIT
- 1005-1030 Session Break / Snacks**
Poster Viewing

Environmental and Industrial Microbiology and Biotechnology
(Function Room B)
Session Chair: Dr. Lorele C. Trinidad

- 1030-1100 Lead
Functional domains in the *Serratia marcescens* serrawettin
synthetase swrW Gene shed light on the multi-bioactivities of
serrawettin | FG Teves
- 1100-1115 Evaluation of enriched mixed microbial culture for
bioproduction in cathodic compartment of a bioelectrochemical
system (BES) starting from glycerol | CP Ameril

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- 1115-1130 Holistic use of brown seaweeds by marine thraustochytrids, coupled with microbial biocatalyst to produce value-added polyunsaturated fatty acids and carotenoids | KHV Arfiles, Y Eramoto, A Kita, Y Okamura, T Tajima, Y Matsumura, Y Nakashimada, and T Aki
- 1130-1145 Effect of liquid effluent with Nitrogen-fixing bacteria on soil microbial population and growth parameters of pineapple | MRD Grajo, VP Migo, LC Villegas, and JA Anarna
- 1145-1200 The effect of turning strategy on the microbial and biochemical dynamics of 500kg fermentation in the Philippines | JF Simbahan, I Pajares, J Bongol, N Organo, A Devanadera, JD Ong, J Rocamora, and V Alcantara
- 1200-1215 Basic analysis of novel L-specific dehalogenase from *Rhizobium* sp. RC-1 | AH Harisna, Widodo, and F Huyop

Young Researchers Grant and Meet the Experts (Ballroom/Plenary Hall)

Session Chair: Dr. Gil M. Penuliar

- 0830-0845 Detection of selected microbial pathogens in Philippine Native swine from selected municipalities of Quezon Province, Philippines | CAE De Mesa, EBB Asilo, MJM Nagpala, JBL Balcera, VGV Paller, and RB Opuencia
- 0845-0900 Identification of gut bacteria of milkfish (*Chanos chanos*) using PCR-DGGE (Polymersa Chain Reaction – Denaturing Gradient Gel Eletrophoresis) from aquaculture ponds of Marilao and Meycauayan, Bulacan, Philippines | JVR Pleto, VP Migo, JF Simbahan, and MDM Arboleda
- 0900-0915 Occurrence, species identification and genotyping of *Cryptosporidium* from common edible bivalves of the Philippines | EJA Pagoso, NR Bolo, KM Widmer, and WL Rivera
- 0915-0930 Succession and identification of lactic acid bacteria and acetic acid bacteria in naturally fermented and inoculated cacao beans using conventional plate count and PCR-DGGE | J Peralta, N Organo, I Pajares, V Alcantara, F Elegado, E Dizon, and JF Simbahan

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0930-0945 Microencapsulation of *Lactobacillus acidophilus* with coconut oil bodies and alginate cross-links for improved viability and enhanced targeted delivery in the gastrointestinal tract | MR Santiago and MKP Devanadera

0945-1015 Meet the Experts

1015-1030 **Session Break / Poster Viewing**

1215-1330 **Lunch**

1330-1400 **Outstanding Microbiologist Lecture**
Dr. Francisco B. Elegado
PSM Outstanding Microbiologist, 2016

1400-1530 **Closing Ceremonies**
Acknowledgement of Sponsors and Distribution of Certificates
Dr. Gil M. Penuliar
Chair, Exhibits and Sponsorship Committee

Announcement of Best Oral and Poster Paper Winners
Dr. Pierangeli G. Vital and Dr. Alonzo A. Gabriel

Oath Taking of New Members and New Registered / Specialist Microbiologist
Dr. Marian P. de Leon and Dr. Virginia C. Cuevas

Announcement and Oath-taking of New Set of PSM Officers for FY 2016-2017
Ms. Donna May D. Papa

Turnover Ceremonies
Dr. Marian P. de Leon and Mr. Benigno Glenn R Ricaforte

Closing Remarks
Mr. Benigno Glenn R. Ricaforte

Dr. Supachai A. Basit and Dr. Leslie M. Dalmacio
Masters of Ceremonies

JULY 24

Optional Tour