



I2CANProTech II

2nd Iloilo International Conference on Advanced Natural Products Technologies
and AuRIns-USA Bilateral Research Conference
March 6-8, 2024

University of San Agustin, Iloilo City, Philippines

Theme: Omics Odyssey: Translating Natural Product Discoveries into
Technologies for Better Health Outcomes

In Celebration of the 120th Year Anniversary of University of San Agustin

PROGRAM

PRE-CONFERENCE Activities

March 5, 2024

- 1:00 PM-5:00 PM Registration and Conference Kit Pickup, Venue: **Lobby, Ground Floor, CPMT Bldg.**
- 1:00 PM-5:00 PM Setup of Posters, Venue: **Ground Floor, CPMT Bldg.**
- 1:30 PM-4:00 PM **Lab Tour:** C2B2, CND3, and NMR facility
- 1:30 PM-4:30 PM **Workshop 1:** Metabolomics using cryoprobe NMR spectrometer
Venue: **CPMT Building Room 605**
Dr. Chin Hoe Teh, Bruker South East Asia and
USA DOST-PCHRD Tuklas Lunas NMR Laboratory Visayas
- 1:30 PM-4:30 PM **Workshop 2:** Genomics using nanopore technology
Venue: **CPMT Building Room 502**
Joshua Jesus O. Aquino and Diamed Team
Diamed Enterprise/Nanopore UK
- 1:30 PM-4:30 PM **Workshop 3:** Patent search for IP protection of natural products
Venue: **CPMT Building Room 603**
Mr. Nestor Precioso, TechMatch Asia, Inc.

DAY 1: March 6, 2024

- 7:30 AM-12:00 PM Registration and Conference Kit Pickup, Venue: **Lobby, Ground Floor, CPMT Bldg.**
- 7:30 AM – 8:30 AM Setup of Posters, Venue: **Ground Floor, CPMT Bldg.**
- 09:00 AM – 10:15 AM **WELCOME CEREMONIES**
Venue: **CPMT Convention Hall, 7th Floor CPMT Bldg.**
Master of Ceremonies: **Mr. Nico Gumban**
House and Safety Rules: **Engr. Rizalde Monserate**, *Assistant Director, Administrative and General Services
Office, University of San Agustin, Iloilo City, Philippines*
Invocation: **Rev. Fr. Jonas M. Mejares, OSA**, *Vice President for Augustinian Formation and Mission,
University of San Agustin, Iloilo City, Philippines*
Ecumenical Prayer, National Anthem, and University of San Agustin Hymn
Welcome Dance: **Tribu Mandu-riyaw Dinagyang Performers**, *Mandurriao National High School,
Iloilo City, Philippines*

Messages:

- Prof. Dr. Jonel P. Saludes**, *Vice President for Research and Global Relations, University of San Agustin, Iloilo City, Philippines and Chair, I2CANProTech II*
- Rev. Fr. Frederick C. Comendador, OSA**, *President, University of San Agustin, Iloilo City, Philippines*
- Engr. Rowen R. Gelonga**, *Director, Department of Science and Technology VI, Iloilo City, Philippines*
- Hon. Arthur Defensor**, *Governor, Province of Iloilo, Philippines*
- Hon. Jerry P. Treñas**, *Mayor, City of Iloilo, Philippines*
- Prof. Dr. Amelia P. Guevara**, *Former UNESCO National Point of Contact for Research in Natural Products Philippines and the 1st I2CANProTech Achievement Awardee*
- Prof. Dr. Jaime C. Montoya**, *Executive Director, Department of Science and Technology - Philippine Council for Health Research and Development, Philippines*
- Dr. Renato U. Solidum, Jr.**, *Secretary, Department of Science and Technology, Philippines*

- 10:15 AM–11:00 AM **Keynote Address 1**
Prof. Dr. Raymond J. Andersen, Department of Chemistry, University of British Columbia, Vancouver, Canada
Natural Product Drug Leads for Development of 'Host Directed Therapies' to Manage 21st Century Pandemics
- 11:00AM – 12:00 PM Ribbon cutting, Poster viewing, Poster judging, Networking, and Exhibit of technologies for cutting-edge natural products research
 Venue: **Ground Floor, CPMT Bldg.** and **University Review Center B**
- 11:30 AM-12:00 PM **Press Conference**, Venue: **President's Conference Room**, Administration Building
 Moderator: **Dr. Rhoda Campillan**
Panelists:
- Rev. Fr. Frederick C. Comendador, OSA – *University of San Agustin*
 - Prof. Dr. Nor Hadiani Ismail – *AuRIns, Universiti Teknologi MARA*
 - Dr. Jaime C. Montoya – *DOST Philippine Council for Health Research & Development*
 - Prof. Dr. Lourdes J. Cruz – *National Scientist, Republic of the Philippines*
 - Prof. Dr. Mary J. Garson – *University of Queensland*
 - Prof. Dr. Raymond Andersen – *University of British Columbia*
 - Prof. Dr. Jonel P. Saludes – *University of San Agustin*
- 12:00 PM-1:30 PM Lunch and Networking, CPMT Convention Hall, 7th Floor CPMT Bldg.
- Plenary Presentation 1, Double Diamond Sponsor: **SM Store**
Mr. Jose Ygnacio Desullan, SM Store, Iloilo City, Philippines
- PLENARY SESSION 1:** Venue: **CPMT Convention Hall, 7th Floor CPMT Bldg.**
 Session Chair: **Dr. Relicardo Coloso**, *Academic Supervisor, Department of Chemistry and Physics, University of San Agustin*
- 1:45 PM – 2:15 PM Plenary Lecture 1 from host institution: **Prof. Dr. Doralyn S. Dalisay**, Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines
BioInnovation@USA: Unveiling Marine Microbes and Plant Treasures through Cutting-Edge Technologies
- 2:15 PM – 2:45 PM Plenary Lecture 2: **Prof. Dr. Mari Maeda-Yamamoto**, Principal Scientist, National Agriculture and Food Research Organization, Tsukuba, Japan
Development of Anti-Allergic Green Tea and the Use of Functional Food Labeling System in Japan
- 2:45 PM – 3:00 PM OPEN FORUM
- 3:00 PM-3:15 PM Health Break and Networking

PLENARY SESSION 2: Session Chair: **Dr. Eizadora Yu**, *Marine Science Institute, University of the Philippines, Diliman, Quezon City, Philippines*

- 3:15 PM-3:45 PM Plenary Lecture 3 from partner institution: **Prof. Dr. Nor Hadiani Ismail**, Atta-Ur-Rahman Institute for Natural Products Discovery (AuRIns), Universiti Teknologi MARA, Puncak Alam, Malaysia
Phytochemical Diversity of Ficus deltoidea varieties as revealed by Nuclear Magnetic Resonance (NMR) and Liquid Chromatography–Mass Spectrometry (LC–MS) Metabolomic Analyses
- 3:45 PM – 4:15PM Plenary Lecture 4: **Prof. Dr. Hang Hubert Yin**, School of Pharmaceutical Sciences, Tsinghua University, Beijing, China
Extracellular Vesicles: From Basic Research to Translational Applications
- 4:15 PM – 4:45 PM Plenary Lecture 5: **Prof. Dr. Jean-Luc Wolfender**, School of Pharmaceutical Sciences, University of Geneva, Geneva, Switzerland
New Opportunities for Natural Products Discovery - Exploration of Massive Metabolomics and Bioactivity Extract Datasets Guided by Computational Methods
- 4:45 PM-5:00 PM OPEN FORUM
- 5:00 PM – 6:30 PM Poster viewing, Poster judging, Networking, and Exhibit of technologies for cutting-edge natural products research
Venue: **Ground Floor, CPMT Bldg. and University Review Center B**
- 6:30 PM – 8:00 PM **WELCOME RECEPTION**
Venue: **CPMT Convention Hall, 7th Floor CPMT Bldg.**
Master of Ceremonies: **Mr. Eric Divinagracia**, *Director, Student Affairs and Welfare Office, University of San Agustin, Iloilo City, Philippines*
- Welcome Message: **Dr. Doralyn S. Dalisay**, *Co-Chair I2CANProTech II*
 - Celebratory Message: **Rev. Fr. Frederick C. Comendador, OSA**, *President, University of San Agustin, Iloilo City, Philippines*
 - Prayer before Meals: **Rev. Fr. Patrick Paul de Castro, OSA**, *Chaplain, University of San Agustin, Iloilo City, Philippines*
 - Toast for I2CANProTech II: **Dr. Raymond Andersen and Dr. Mary Garson**
 - DINNER
 - Intermission: **Mr. Ejay Paroginog**, *Project Evaluation Officer, Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines*
 - Reading of the Achievements and the Citation of the **I2CANProTech Achievement Award** by **Dr. Relicardo M. Coloso** for the awardee **PROF. DR. LOURDES J. CRUZ**, *National Scientist, Republic of the Philippines*
 - Message: **Prof. Dr. Lourdes J. Cruz**
 - Intermission: **Irong-Irong Dance Troupe**, *West Visayas State University, Lapaz, Iloilo City, Philippines*
 - Awarding of Plaque of Appreciation to I2CANProTech II Strategic Partners by **Dr. Noel Peter B. Tan**, *Chair, Strategic Partners Committee and Director, Center for Advanced New Materials, Engineering, and Emerging Technologies, University of San Agustin, Iloilo City, Philippines*
 - Intermission: **Rev. Fr. Jonas M. Mejares, OSA**, *Vice President for Augustinian Formation and Mission, University of San Agustin, Iloilo City, Philippines*
 - Raffle Draw: Prizes and Awards Committee

DAY 2: March 7, 2024

PLENARY SESSION 3: Venue: CPMT Convention Hall, 7th Floor CPMT Bldg.

Session Chair: **Dr. Fleurdeliz Maglangit**, *University of the Philippines Cebu, Cebu City, Philippines*

- 9:00 AM – 9:30 AM Plenary Lecture 6: **Prof. Dr. Keiichi Namba**, Graduate School of Frontier Biosciences, Osaka University, Osaka, Japan
Recent Progress and Future Perspective of Electron Cryomicroscopy for Structural Life Sciences
- 9:30 AM – 10:00 AM Plenary Lecture 7: **Mr. Naveen Kumar Nandan**, Senior Technical & Product Marketing Manager, Merck - Asia Pacific, Bangalore, India
Merck Milliplex® Technology: The Power of Multiplex Biomarker Analysis from the Makers of Milliplex® MAP
- 10:00 AM–10:15 AM OPEN FORUM
- 10:15 AM-10:30 AM Health Break and Breakout for Parallel Sessions

10:30AM – 12:30 PM **Morning Parallel Sessions**

PARALLEL SESSION 1:		PARALLEL SESSION 2:	PARALLEL SESSION 3:	
DOST-PCHRD: Tuklas Lunas and Functional Food Session Venue: 7th Floor CPMT Convention Hall		AuRIns-USA Bilateral Session Venue: CPMT Conference Room 2 nd Floor	Enabling Technologies for Food and Natural Products Venue: University Review Center A, Ground Floor, Urdaneta Hall	
Session Chair	Mrs. Marianne Joy Laya, RND Philippine Council for Health Research and Development Department of Science and Technology, Bicutan, Taguig City, Philippines	Mr. JC John Jamili Department of Medical Laboratory Science, University of San Agustin, Iloilo City, Philippines	Session Chair	Dr. Roland G. Remenyi Biomedical Research Unit, Clinical & Translational Research Institute The Medical City, Ortigas, Philippines
Technical Chair	Mrs. Edda Brenda Yerro Department of Biology, University of San Agustin, Iloilo City, Philippines	Ms. Karen Claire S. Ebreo Department of Biology, University of San Agustin, Iloilo City, Philippines	Technical Chair	Ms. Leah Katrine Bayog Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines
10:30-10:50 AM	Dr. Rich Milton Dulay Central Luzon State University, Muñoz, Nueva Ecija, Philippines OR-01: <i>Myko-mining and Myko-pharming of Wild Edible and Poisonous Mushrooms in Luzon Island, Philippines for their Medicinal Properties</i>	Dr. Sharifah Aminah Syed Mohamad Atta-Ur-Rahman Institute for Natural Products Discovery, Universiti Teknologi MARA, Puncak Alam, Malaysia OR-08: <i>Antimicrobial and Cytotoxic Activities of Secondary Metabolites from Endophytic Fungus of the Malaysian Local Herbs</i>	10:30-10:50 AM	Session Keynote: Dr. Anthony Sales, CESO III Regional Director, Department of Science and Technology XI Davao City, Philippines OR-14: <i>Enabling the Philippine Halal Industry through Science and Technology</i>
10:50-11:10 AM	Dr. Arturo Lluisma Marine Science Institute, University of the Philippines, Diliman, Quezon City, Philippines	Mr. Chuckcris Tenebro Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines	10:50-11:05 AM	Dr. Kesaven Bhubalan (Invited) Institute of Marine Biotechnology, Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia

	OR-02: <i>Discovery and Development of Health Products from Conoideans, Sponges, and Sponge-associated Microorganisms</i>	OR-09: <i>MALDI Mass Spectrometry Imaging: A Preclinical Indicator of Drug-Induced Kidney Injury</i>		OR-15: <i>Exploiting Marine Bacteria for Production of Value-Added Biomaterials from Renewable Resources: An Effort Towards Embracing Circular Economy</i>
11:10-11:30 AM	Dr. Hiyas Junio Institute of Chemistry, University of the Philippines, Diliman, Quezon City, Philippines OR-03: <i>Fail fast, fail cheap: The Economics of Dereplication with High-resolution Mass Spectrometry</i>	Dr. Fatimah Salim Atta-Ur-Rahman Institute for Natural Products Discovery, Universiti Teknologi MARA, Puncak Alam, Malaysia OR-10: <i>Differential Phytochemical Profiles in Alkaloidal Extracts of Erythrina fusca Lour. Leaves: A Proton NMR-based Chemometric Approach</i>	11:05-11:20 AM	Mr. Timothy Jay L. Bengala Dr. Mariano Que College of Pharmacy, De la Salle Medical and Health Science Institute, Dasmariñas, Cavite, Philippines OR-16: <i>Elucidating the Pharmacokinetics of Herbal Medicines using Human Serum Albumin-Weak Affinity Chromatography (HSA-WAC)</i>
11:30-11:50 AM	Dr. Reggie Dela Cruz Institute of Biological Sciences, Central Mindanao University, Bukidnon, Philippines OR-04: <i>Pharmafern: Development of Ointment and Functional Food from Selected Ferns With Anti-Inflammatory Activities</i>	Ms. Edna Sabido Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines OR-11: <i>Omics- and Bioassay-based Strategies Unearth the Next Antibacterial and Anticancer Drug Leads from Marine Sediment-Derived Actinobacteria of Iloilo, Philippines</i>	11:20-11:35 AM	Ms. Geaver Nicolei G. Cortez Standards and Testing Division, Industrial Technology Development Institute, Department of Science and Technology, Bicutan, Taguig City, Philippines OR-17: <i>Chemical Composition and Antioxidant Activity of Solvent Free Microwave Extracted Philippine Cananga odorata Essential Oil: Implications for Health and Wellness</i>
11:50-12:10 PM	Dr. Myra Villareal College of Science, Bicol University, Legazpi City, Philippines OR-05:	Dr. Nurul 'Izzah Mohd Sarmin Atta-Ur-Rahman Institute for Natural Products Discovery, Universiti Teknologi MARA, Puncak Alam, Malaysia	11:35-11:50 AM	HEALTH BREAK

	<i>Turning Sapal into Something Wonderful: Development of the Anti-arthritis and Weight Loss Functional Food using Olive Pomace</i>	OR-12: <i>Anti-Biofilm and Anti-Quorum Sensing Activity of Endophytic Actinomycetes Extracts Against Cariogenic Bacterium</i>	Session Chair	Dr. Evangeline C. Amor Institute of Chemistry, University of the Philippines, Diliman, Quezon City, Philippines
12:10-12:30 PM	Dr. Lotis Mopera Institute of Food Science and Technology, University of the Philippines, Los Baños, Philippines OR-06: <i>More than Just Dessert: Unraveling the Health Benefits of Purple Yam</i>	Dr. Nurhuda Manshoor Atta-Ur-Rahman Institute for Natural Products Discovery, Universiti Teknologi MARA, Puncak Alam, Malaysia OR-13: <i>Head-To-Tail Position of Two Bridged-Dimers Determines the Configuration of Oligostilbene Structure</i>	11:50 - 12:05 PM	Ms. Maria Dulce Alibangbang Visayas State University, Tolosa, Leyte, Philippines OR-18: <i>Process Optimization for the Production of Chitosan-enriched Jackfruit (Artocarpus heterophyllus Lam.) Beverage Using Central Composite Design</i>
12:30 - 12:50 PM	Dr. Katherine Israel Institute of Food Science and Technology, University of the Philippines, Los Baños, Philippines OR-7: <i>Waste to Worth: Potential Applications of Pectin from 'Saba' Banana Peel Wastes in Food and Nutraceuticals</i>	 	12:05-12:20 PM	Dr. Vigneswari Sevakumaran Institute of Climate Adaptation and Marine Biotechnology, Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia OR-19: <i>Sustainable Biological Synthesis of Silver Nanoparticles with Antimicrobial Properties</i>
			12:20-12:35 PM	Ms. Melanie L. Tecson Cebu Technological University-Tuburan Campus, Tuburan Cebu, Philippines OR-20: <i>Effects of Cassava (Manihot esculenta) Leaf and corn (Zea mays) on Eggs Quality of Japanese Quail (Coturnix japonica)</i>

	12:35-12:50 PM	<p>Mr. David S. Hinolan Department of Pharmacy, Colegio San Agustin-Bacolod, Bacolod City, Philippines</p> <p>OR-21: <i>Polycation-Modified Fe(III)-Mof Loaded With Methotrexate And Platinum(IV) Prodrug For Synergistic Anticancer Therapy</i></p>
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12:30 PM-2:00 PM Lunch and Networking, Venue: CPMT Convention Hall, 7th Floor CPMT Bldg.


2:00 PM – 5:00 PM **Afternoon Parallel Sessions**

	PARALLEL SESSION 4:	PARALLEL SESSION 5:	PARALLEL SESSION 6:
	<p>Metabolomics 1 Venue: 7th Floor CPMT Convention Hall</p>	<p>Proteomics 1 Venue: CPMT Conference Room 2nd Floor</p>	<p>Genomics and Microbiology 1 Venue: University Review Center A, Ground Floor, Urdaneta Hall</p>
Session Chair	<p>Dr. Kesaven Bhubalan Faculty of Science and Marine Environment Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia</p>	<p>Dr. Nurul 'Izzah Mohd Sarmin Atta-Ur-Rahman Institute for Natural Products Discovery, Universiti Teknologi MARA, Puncak Alam, Malaysia</p>	<p>Dr. Jose Enrico Lazaro National Institute of Molecular Biology and Biotechnology University of the Philippines Diliman, Quezon City, Philippines</p>
Technical Chair	<p>Dr. Erlinda Lacierda Department of Biology, University of San Agustin, Iloilo City, Philippines</p>	<p>Ms. Edna Sabido Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines</p>	<p>Mr. Chuckcris Tenebro Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines</p>
2:00-2:20 PM	<p>Session Keynote Dr. Leslie Michelle M. Dalmacio Department of Biochemistry and Molecular Biology, College of Medicine, University of the Philippines, Manila</p> <p>OR-22: TBD</p>	<p>Session Keynote Dr. Neil Andrew D. Bascos Protein, Proteomics, and Metabolomics Facility, Philippine Genome Center, University of the Philippines, Diliman, Philippines</p> <p>OR-32: <i>Philippine Resources for MultiOmics Technologies and Natural Product Discovery and Development</i></p>	<p>Session Keynote Dr. Victor Marco Emmanuel N. Ferriols Philippine Genome Center-Visayas Satellite Facility, University of the Philippines in the Visayas, Miag-ao, Iloilo, Philippines</p> <p>OR-41: TBD</p>

2:20-2:35 PM	<p>Dr. Eizadora Yu (Invited) The Marine Science Institute, University of the Philippines Diliman, Quezon City, Philippines</p> <p>OR-23: <i>Mass Spectrometry Adventure: Decoding the Puzzle of Philippine Biodiversity through Molecular Exploration</i></p>	<p>Ms. Marlan Magdalaga Aquatic Biology Laboratory, Research Center for the Natural and Applied Sciences, University of Santo Tomas, Sampaloc, Manila, Philippines</p> <p>OR-33: <i>Investigating the Proteomic Profile and Toxicity of Lake Taal Sea Snake (Hydrophis semperi Garman 1881) Venom</i></p>	<p>Dr. Joval N. Martinez Department of Biological Sciences, Tokyo Metropolitan University, Japan & Department of Natural Sciences, University of St. La Salle, Bacolod City, Philippines</p> <p>OR-42: <i>Estimation of the Metabolic Capacities of Predominant Hot Spring-Associated Phototrophic Bacteria Using Metagenomic Insights</i></p>
2:35-2:50 PM	<p>Mr. Albert Neil Dulay Virology and Vaccine Research and Development Program, Industrial Technology Development Institute, Department of Science and Technology, Philippines, Bicutan, Taguig City, Philippines</p> <p>OR-24: <i>Virtual Screening of Chlorella spp.- Derived Secondary Metabolites for Potential Antiviral Activity Against African Swine Fever Virus (ASFV)</i></p>	<p>Ms. Nicole Garcia Center for Natural Drug Discovery and Development (CND3), University of San Agustin, Iloilo City, Philippines</p> <p>OR-34: <i>Rationally-designed Peptides from a Natural Sequence Possess a Strong Affinity for Lipid Nanovesicles</i></p>	<p>Ms. Joyce Amarachi Aja National Institute of Molecular Biology and Biotechnology, University of the Philippines Diliman, Philippines</p> <p>OR-43: <i>A Putatively Novel Firmicute, Lysinibacillus sp. M3, isolated from the Poon Bato Zambales Hyperalkaline Spring, Produces Diverse Bioactive Compounds</i></p>

2:50-3:05 PM	<p>Mr. Olivier A. Kirchhoffer Institute of Pharmaceutical Sciences of Western Switzerland and School of Pharmaceutical Sciences, University of Geneva, Geneva, Switzerland</p> <p>OR-25: <i>Prioritization of Novel Anti-infective Natural Products Aided by Mass Spectrometry-based Molecular Networks and HPLC Bioactivity Profiling</i></p>	<p>Dr. Souvenir D. Tachado Souvie Bidelivery, University of Arizona, Tucson, Arizona, United States of America</p> <p>OR-35: <i>Novel Drug Delivery System Using Engineered Exosomes</i></p>	<p>Dr. Roland Remenyi Biomedical Research Unit, Clinical and Translational Research Institute, The Medical City, Pasig, Philippines</p> <p>OR-44: <i>PHILMARINE-BLI: Harnessing the Untapped Power of Natural Product Beta-Lactamase Inhibitors from Philippine Marine Actinomycetes</i></p>
3:05-3:20 PM	<p>Dr. Fleurdeliz Maglangit Department of Biology and Environmental Science, College of Science, University of the Philippines Cebu, Cebu City, Philippines</p> <p>OR-26: <i>Accraspiroketides A-B, Novel Phenyl-naphthacenoid-Derived Polyketides from Streptomyces Sp. MA37 Mutant Strain</i></p>	<p>Mr. Jomari Mateo Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines</p> <p>OR-36: <i>Bridging the Gap: Unveiling In Vitro and In Silico Insights in SARS-CoV-2 3CLpro Inhibitors from Actinomycetes Isolated from Philippine Marine Sediments</i></p>	<p>Mr. Jade Joshua R. Teodosio Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines</p> <p>OR-45: <i>Antibiotic Biochanin A from Philippine Pigeon pea (Kadios) Induces Membrane Permeability Leading to Intracellular Leakage Against Multidrug-resistant Staphylococcus aureus</i></p>
3:20-3:35 PM	HEALTH BREAK: Refreshments will be served in the three session halls		
	<p>PARALLEL SESSION 4:</p> <p>Metabolomics 2 Venue: 7th Floor CPMT Convention Hall</p>	<p>PARALLEL SESSION 5:</p> <p>Proteomics 2 Venue: CPMT Conference Room 2nd Floor</p>	<p>PARALLEL SESSION 6:</p> <p>Genomics and Microbiology 2 Venue: University Review Center 1, Ground Floor, Urdaneta Hall</p>
Session Chair	<p>Dr. Nurhuda Manshoor Atta-ur-Rahman Institute for Natural Product Discovery, Universiti Teknologi MARA, Cawangan Selangor, Kampus Puncak Alam, Bandar Puncak Alam, Selangor, Malaysia</p>	<p>Mr. Phil Aidan Cruz Research & Development Manager, Herbanext Laboratories, Inc. Bago City, Negros Occidental, Philippines</p>	<p>Dr. Reggie Dela Cruz Institute of Biological Sciences, Central Mindanao University, Bukidnon, Philippines</p>

3:35-3:50 PM	<p>Dr. Anna Karen Carrasco Laserna De La Salle University, Calubang, Laguna, Philippines and National University of Singapore, Singapore</p> <p>OR-27: <i>Exploring Metabolite Fingerprint-Efficacy Relationship for Potential Quality Control Markers of Commercial Herbal Products</i></p>	<p>Ms. Ellen Joy P. Pandan Department of Chemistry, Mindanao State University-Iligan Institute of Technology, Tibanga, Iligan City, Philippines and Department of Chemistry, Natural Products Research Center, Central Mindanao University, Bukidnon, Philippines</p> <p>OR-37: <i>Investigation of Binding Activity of COX-2 Inhibitory Fraction of Drynaria quercifolia (Linn) J. Sm. through Multi-Spectroscopic Approach and Molecular Docking Simulation</i></p>	<p>Ms. Vienna Ai Marie V. Dela Cerna Plant Molecular Biology and Genetics Laboratory, Institute of Biology, College of Science, University of the Philippines Diliman, Quezon City, Philippines</p> <p>OR-46: <i>In silico Genome Mining of Nodosilinea sp. C1 and Chlorogloeopsis sp. C6 Revealed Plant Growth-Stimulating and Biocontrol Genes</i></p>
3:50-4:05 PM	<p>Dr. Ariyanti S. Dewi (Invited) Research Centre for Marine and Land Bioindustry, National Research and Innovation Agency, North Lombok, Indonesia</p> <p>OR-28: <i>Exploring the Therapeutic Potential of Indonesian Sea Cucumbers: Insights into Saponins and Protein Hydrolysates for Cosmeceutical and Health Applications</i></p>	<p>Mr. Hans Joshua Ygrubay West Visayas State University College of Medicine, La Paz, Iloilo City, Philippines</p> <p>OR-38: <i>Parotid Gland Toxins of Ingerophrynus philippinicus (Philippine Toad) Exhibit Cytotoxic Activity Against Human Colorectal Cancer Cells (HCT-116) By Inducing Apoptosis</i></p>	<p>Ms. Jamielle C. Sarga Department of Biological Sciences, College of Science, University of Santo Tomas, Sampaloc, Manila, Philippines</p> <p>OR-47: <i>Philippine Marine Natural Product Scaffolds as DNA Damage Response Inhibitors with Promising Binding Propensity, Stability, and Pharmacokinetic Profiles</i></p>
4:05-4:20PM	<p>Dr. Nisha Govender Department of Biological Sciences and Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia</p> <p>OR-29: <i>Research Trends and Scientific Production on Traditional Plants for Diabetes Management: An Integrated Computational Analysis</i></p>	<p>Ms. Patricia Beatrice Q. Jacome Pharmacy Department, Centro Escolar University Makati, Makati City, Philippines</p> <p>OR-39: <i>In-Vitro Alpha-Amylase Inhibitory and Glucose Uptake Activities of Kaningag Leaves (Cinnamomum myrianthum Merr.) Ethanolic Crude Extract</i></p>	<p>Mr. Seng Hon Kee Faculty of Science and Marine Environment, Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia</p> <p>OR-48: <i>Biotransformation of Hospital Plastic Wastes to Rhamnolipid using a Combined Technique of Microwave Pyrolysis and Microbial Fermentation by Marine Pseudomonas aeruginosa Strains</i></p>

4:20-4:35 PM	<p>Mr. Jeremiah D. Batucan The Marine Science Institute, University of the Philippines, Diliman, Quezon City, Philippines</p> <p>OR-30: <i>Phytochemical Characterization of Macroalgae for Food and High Value Products (PhycoPRO)</i></p>	<p>Ms. Desiree Daet Department of Biological Sciences, College of Science, University of Santo Tomas, Sampaloc, Manila, Philippines</p> <p>OR-40: <i>In Silico Analysis of the Reactivation Activity of Semiochemicals from Epipedobates anthonyi on Cholinergic Pathway Receptors $\alpha4\beta2$ and $\alpha7$.</i></p>	<p>Ms. Julie Charmain O. Bonifacio Department of Biology, College of Science, Polytechnic University of the Philippines, Sta. Mesa, Manila, Philippines</p> <p>OR-49: <i>Chitosan from Reishi Mushroom (Ganoderma lucidum) as Bioenhancer to Amikacin against Pseudomonas aeruginosa</i></p>
4:35-4:50 PM	<p>Mr. Carlos Manuel C. Eusoya Philippine Science High School – Western Visayas Campus, Department of Science and Technology, Bito-on, Jaro, Iloilo City, Philippines</p> <p>OR-31: <i>Molecular Docking of Muntingia calabura Fruit Phenols against ESKAP Serine β-Lactamase Enzymes</i></p>		<p>Mr. Gerald M. Aguilar Microbiology Division, Institute of Biological Sciences, University of the Philippines Los Baños, Laguna, Philippines</p> <p>OR-50: <i>A Polyphasic Taxonomic Approach in the Identification of a Novel Putative Streptomyces sp. Waksman and Henrici Isolated from the Volcanic Soils of Mt. Mayon, Philippines</i></p>

5:00 PM – 6:00 PM

Poster viewing, Networking, and Exhibit of technologies for cutting-edge natural products research
Venue: **Ground Floor, CPMT Bldg. and University Review Center B**

DAY 3: March 8, 2024

PLENARY SESSION 4: Venue: CPMT Convention Hall, 7th Floor CPMT Bldg.

Session Chair: **Dr. Nisha T. Govender**, *Institute of Systems Biology, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia*

8:45 AM – 9:30 AM Keynote Address 2: **Prof. Dr. Mary J. Garson**, School of Chemistry and Molecular Biosciences, University of Queensland, Brisbane, Australia and President, International Union of Pure and Applied Chemistry (IUPAC)
A Game of Terpenes: Structure, Stereochemistry, And Biosynthesis of Marine Terpenoids

9:30 AM-10:00 AM Plenary Lecture 8: **Dr. Denise Manker**, Distinguished Science Fellow in Biologics, Bayer Crop Science, Sacramento, California, U.S.A.
The Role Natural Product Chemistry is Playing in Regenerative Agriculture: Past, Present and Future

10:00 AM-10:15 AM OPEN FORUM

10:15AM-10:45 AM Health Break and Networking

PLENARY SESSION 5: Session Chair: **Assoc. Prof. Dr. Fatimah Salim**, *Atta-Ur-Rahman Institute for Natural Products Discovery, Universiti Teknologi MARA, Puncak Alam, Malaysia*

10:45AM-11:15 AM Plenary Lecture 9: **Assoc. Prof. Dr. Chittanon Buranachai**, Faculty of Science, Prince of Songkla University, Hat Yai, Thailand
Simple Method for the Detection of Porcine DNA in Halal-Certified Food Products

11:15 AM-11:45 AM Plenary Lecture 10: **Dr. Chin Hoe Teh**, Applications Scientist, Bruker Corp. Southeast Asia, Penang, Malaysia
Cryoprobe NMR Application in Natural Products Characterization, Metabolomics and NMR-based Screening

11:45 AM-12:00 PM OPEN FORUM

12:00 AM-1:30 PM Lunch and Networking, Venue: **CPMT Convention Hall, 7th Floor CPMT Bldg.**

PLENARY SESSION 6: Venue: CPMT Convention Hall, 7th Floor CPMT Bldg.

Session Chair: **Dr. James Torres**, *Academic Supervisor, Department of Biology, University of San Agustin, Iloilo City, Philippines*

1:30 PM-2:00 PM Plenary Lecture 11: **Dr. Gian Primahana**, National Research and Innovation Agency (BRIN), Bogor, Indonesia
Exploring the Underexplored Genera for Tackling Antibiotic Resistance

2:00 PM – 2:15 PM Plenary Presentation 2, Triple Diamond Sponsor: Shimadzu Corporation
Ms. Lyka V. Monserrat Shimadzu Philippines Corp., Taguig City, Philippines

2:15 PM – 2:30 PM Plenary Presentation 3, Triple Diamond Sponsor: RainPhil and Waters Pacific Pte. Ltd.
Ms. Jahzeel Santos, RainPhil Inc., Makati City, Philippines

2:30 PM – 2:45 PM Plenary Presentation 4, Double Diamond Sponsor: JEOL, Ltd.

- 2:45 PM – 3:00 PM Dr. Tetsuo Oikawa, JEOL Asia Pte. Ltd., Corporation Place, Singapore
OPEN FORUM
- 3:00 PM – 3:15 PM Health Break and Networking
- 3:15 PM – 4:00 PM **CLOSING CEREMONIES**
Master and Lady of Ceremonies:
Mr. Raymart Jay Canoy and **Ms. Josie Torrecampo**, *Center for Chemical Biology and Biotechnology, University of San Agustin, Iloilo City, Philippines*
- Awarding of Best Oral Presentations
 - Awarding of Best Poster Presentations
 - Closing Remarks: **Dr. Relicardo M. Coloso**, *Chair, Technical Program Committee, I2CANProTech II, University of San Agustin, Iloilo City, Philippines*

~ Farewell and See You in Future Conferences ~