

November 19, 2025, Wednesday

09:00-9:30		Convention Hall, 2F
Opening Ceremony		
Master of Ceremonies: Meng-Chun Cheng (Taiwan)		
09:30-10:20		Convention Hall, 2F
Plenary 1		
Chair(s): Yuan Kun Lee (Singapore)		
PL-01	Biotics, Fermented Foods and Gut Microbiota Interactions Seppo Salminen (Finland)	
10:20-10:40		Convention Hall, 2F
Coffee Break		Corridor 2F&3F

10:40-11:30		Convention Hall, 2F
Plenary 2		
Chair(s): Hui-Yu Huang (Taiwan)		
PL-02	Molecular Insights Into the Symbiosis Between Bifidobacteria and Humans Takane Katayama (Japan)	
11:30-12:20		Convention Hall, 2F
Plenary 3		
Chair(s): Guo-Jane Tsai (Taiwan)		
PL-03	Probiotic: Functional Food or Drug Ming-Shiang Wu (Taiwan)	

12:30-13:30		Convention Hall, 2F
Lunch Symposium (Sponsored by Yakult Taiwan)		
Chair(s): Mandy Eddy (Taiwan)		
12:30-12:50	LS1-1	<i>Lacticaseibacillus paracasei</i> Shirota (LcS): A Bridge Between Gut Microbiome Science and Human Health Innovation Hui-Yu Huang (Taiwan)
12:30-13:30		Conference Room, 1F
Lunch Symposium (Sponsored by SYN BIO TECH)		
Empowering Women's Wellness: From Microbes to Market Innovation		
12:30-12:45	LS2-1	Market Insight: The Rising Power of Women's Health William Lu (Taiwan)
12:45-13:20	LS2-2	Science Spotlight: Microbiome Solutions for Women's Wellness Hsiao-Wen Huang (Taiwan)
12:30-13:30		103 Learning Room, 1F
TALAB Annual Meeting		

13:30-15:00		Convention Hall, 2F
Session 01 – Bifidobacterium		
Chair(s): Jin-zhong Xiao (Japan), Patricia Conway (Singapore)		
13:30-13:50	S01-1	The Health Benefits of Human-Residential <i>Bifidobacteria</i> (HRB): Clinical Findings in the Spotlight on Metabolites Jin-zhong Xiao (Japan)
13:50-14:10	S01-2	Benefits of Bifidobacterium Preparations for Neonates. Patricia Conway (Singapore)
14:10-14:22	S01-3	Postpartum Changes in Human Milk Oligosaccharides of Japanese Mothers, and Effects of Secretory Type on Infants' Gut Microbiota and Infectious Disease From Survey on Mothers, Infants, and Children's Lives and Environment in Iwamizawa (SMILE Iwamizawa) Hirohisa Izumi (Japan)
14:22-14:34	S01-4	Gut Microbiota and Neuroactive Metabolite Modulation by a Probiotic Formulation in a Human Intestinal Microbial Simulator Cheng Hao Huang (Taiwan)
14:34-14:46	S01-6	Postbiotic Metabolites From <i>Lactiplantibacillus plantarum</i> BS25 (LPBS25) Exhibit Antibiofilm and Antimicrobial Properties Against Multidrug-Resistant Burn Wound Associated Pathogens Mark Laurenz Bongabong Handayan (Philippines)

13:30-15:00		Conference Room, 1F
Session 02 – From Ferment to Function		
Chair(s): Gi-Seong Moon (South Korea), Elvina Parlindungan (Singapore)		
13:30-13:50	S02-1	Enhanced Anti-Cancer Effects of Natural Products via Biotransformation by an EPS-Producing <i>Leuconostoc mesenteroides</i> Strain Gi-Seong Moon (South Korea)
13:50-14:10	S02-2	Unlocking Microbial Treasures: Functional Biotics From Asian Indigenous Fermented Foods Elvina Parlindungan (Singapore)
14:10-14:30	S02-3	Prospects for the use of probiotics (LAB) in Veterinary Medicine Shirchin Demberel (Mongolia)
14:30-14:46	S02-4	Biotransformation of Natural Products for the Production of Bioactive Compounds and Development of Innovative Functional Foods Samadhan Bhagwan Dahikar (India)
14:46-15:02	S02-5	Optimization of Bugnay (<i>Antidesma bunius</i>) Kombucha Production and Functional Characterization Using <i>Lactobacillus hilgardii</i> 2M38FABB3 Inoculation Fairie Anne Acebedo Domingo (Philippines)

13:30-15:00		101 Learning Room, 1F
Session 03 – Microbial Bioprocessing		
Chair(s): Dave Siak-Wei OW (Singapore), Ram Kulkarni (India)		
13:30-13:50	S03-1	Bioprocess Engineering of <i>Lactococcus lactis</i> for Recombinant Growth Factor Production Dave Siak-Wei OW (Singapore)
13:50-14:10	S03-2	Evolutionary Engineering of <i>Lactiplantibacillus plantarum</i> for Improved Performance During <i>Lignocellulosic Bioprocessing</i> Ram Kulkarni (India)
14:10-14:30	S03-3	Development of Cellulose-Degrading Lactic Acid Bacteria <i>Lactococcus cremoris</i> Ales Berlec (Slovenia)
14:30-14:46	S03-4	Probiotics and Their Postbiotics for Mitigating Aflatoxin Contamination in Food Grains: An Innovative Approach to Enhance Food Safety Sarita Ashok Bhutada (India)
14:46-15:02	S03-5	Genomic, Phenotypic, and Genetic Characterization of Heavy Metal Tolerance and Heavy Metal Removal Properties of <i>Pediococcus acidilactici</i> 3G3 and <i>Lactiplantibacillus plantarum</i> BS25 Sean Carlo Palomares (Philippines)

13:30-15:00		103 Learning Room, 1F
Session 04 – From Lab to Industry		
Chair(s): Hooi Ling Foo (Malaysia), Dian Anggraini Suroto (Indonesia)		
13:30-13:50	S04-1	What Is Next After Probiotics? Hooi Ling Foo (Malaysia)
13:50-14:06	S04-2	Local Probiotics for Industrial Application: A Lesson Form Indonesia Dian Anggraini Suroto (Indonesia)
14:06-14:22	S04-3	Development of a Quality Control Method for Postbiotics Based on Stable Isotope Dimethyl Labeling and Liquid Chromatography–Tandem Mass Spectrometry of Heat-Killed <i>Lactocaseibacillus paracasei</i> subsp. <i>paracasei</i> NTU 101 Chia-Wei Wu (Taiwan)
14:22-14:34	S04-4	Large-Scale Production of <i>Akkermansia muciniphila</i> for Functional Applications Tzu-Chun Lin (Taiwan)
14:34-14:46	S04-5	Characterization of <i>Bifidobacterium adolescentis</i> OP820 as a Novel Probiotic Candidate Using a 3D Villi Co-Culture Platform Saeyoun Shin (South Korea)
14:46-14:58	S04-6	Application of Duck Egg White Protein Cold-Set Gels as an Immobilized Cell System for Kefir Microorganisms Hsin-Ni Chen (Taiwan)

15:00-16:00

Corridor 1F-3F / Corridor 2F&3F

Coffee Break & Poster Presentation

16:00-17:30		Convention Hall, 2F
Session 05 – Next-Generation Probiotics		
Chair(s): Hsin-Chih Lai (Taiwan), Tai-Ying Chiou (Japan)		
16:00-16:20	S05-1	Current Development of Next Generation Probiotics Hsin-Chih Lai (Taiwan)
16:20-16:40	S05-2	On the Origin and Multifunctional Characteristics of <i>Apilactobacillus kosoi</i> Tai-Ying Chiou (Japan)
16:40-16:52	S05-3	Optimizing <i>Akkermansia muciniphila</i> -FM16 Culture Enhances Lipid Profiles of Extracellular Vesicles Hao-Yuan Chien (Taiwan)
16:52-17:04	S05-4	The Potential of Next-Generation Probiotics on Inhibiting Opportunistic Bacterium Xiao-Yang Chu (Taiwan)
17:04-17:16	S05-5	Isolation, Identification and Functional Testing of <i>Ruminococcus flavefaciens</i> as a Next-Generation Probiotics Yun-Tzu Chang (Taiwan)
17:16-17:28	S05-6	Identification and Characterization of Novel Deoxycholic Acid-Producing Bacteria From Human Feces Ni Wayan Eka Putri Gayatri Kastawa (Japan)


16:00-17:30		Conference Room, 1F
Session 06 – Functional Probiotics and Extracellular Vesicles		
Chair(s): Yuan Kun Lee (Singapore), Yuan-Man Hsu (Taiwan)		
16:00-16:20	S06-1	<i>Streptococcus salivarius</i> subsp <i>thermophilus</i> – An Unexpected Driver of Longevity in Human Yuan Kun Lee (Singapore)
16:20-16:40	S06-2	<i>Lactobacillus rhamnosus</i> – Derived Extracellular Vesicles in the Modulation of Helicobacter pylori Virulence Yuan-Man Hsu (Taiwan)
16:40-17:00	S06-3	Synergistic Modulation of Gut Microbiota and Metabolic Syndrome With <i>Monascus pilosus</i> SWM-008-Fermented Red Mold Rice Chun-Lin Lee (Taiwan)
17:00-17:16	S06-4	<i>Gerobiotic Lactocaseibacillus paracasei</i> PS23 Mitigates Amyloid- β Toxicity and Improves Cognition in AD Models Wei-Hsiang Lin (Taiwan)
17:16-17:28	S06-5	Taxifolin Selectively Inhibits <i>Clostridium perfringens</i> Growth and Biofilm Formation Through Altered Surface Protein Profiles Harum Fadhilatunnur (Japan)

16:00-17:30		101 Learning Room, 1F
Session 07 – Functional Probiotics		
Chair(s): Rona Camille Lizardo Agustin (Philippines), Nisit Watthanasakphuban (Thailand)		
16:00-16:16	S07-1	Enhancing the Bioactivities and Health-Promoting Properties of Selected Underutilized Fruits in Asia Through Fermentation With <i>Lactiplantibacillus plantarum</i> Rona Camille Lizardo Agustin (Philippines)

16:16-16:32	S07-2	Unlocking the Potential of <i>Lactococcus</i> sp. KTH0-1S: From Traditional Fermentation to Next-Generation Probiotic and Microbial Cell Factory Nisit Watthanasakphuban (Thailand)
16:32-16:44	S07-3	Identification and Characterization of Bacteriocins Produced by Three Newly Isolated Multiple Bacteriocin Producers Tanziba Alam (Japan)
16:44-16:56	S07-4	Identifying Common Genetic Markers for Antioxidant <i>Lactiplantibacillus plantarum</i> Hsin-Lan Chen (Taiwan)
16:56-17:08	S07-5	Identification and Structural Analysis of Multiple Bacteriocins Produced by <i>Lactococcus garvieae</i> FR6 Maria Ludia Simonapendi (Japan)
17:08-17:20	S07-6	Recombinant Production of D- <i>Psicose</i> 3-Epimerase in <i>Lactiplantibacillus plantarum</i> Pimsiriya Srila (Thailand)

16:00-17:30		103 Learning Room, 1F
Session 08 – Vietnam Special Session		
Chair(s): Ha Phu Ho (Vietnam), Minh Tan Pham (Vietnam)		
16:00-16:10	S08-01	Welcome Remarks and Introduction of AFSLAB Fusao Tomita (Japan)
16:10-16:20	S08-02	Introduction to VAFoST and Proposal for a Probiotics Division Ngo Xuan Binh (Vietnam)
16:20-16:36	S08-1	Vietnamese Traditionally Fermented Foods: Culinary Culture and Health Beneficial Microorganisms Ha Phu Ho (Vietnam)
16:36-16:52	S08-2	Assessment of the Fermentative Potential of Coffee Pollen by <i>Lactiplantibacillus plantarum</i> Isolated From Vietnamese Kimchi Minh Tan Pham (Vietnam)
16:52-17:08	S08-3	Potential of Honeybee Gut Microbiota and Honey-Derived Microorganisms in Probiotic Development Dong Van Quyen (Vietnam)
17:08-17:24	S08-4	Hydrolysis of Plant Protein by Lactic Acid Bacteria Producing Cell Envelope Enzyme Tiến Thành Nguyễn (Vietnam)

November 20, 2025, Thursday

09:00-10:30		Convention Hall, 2F
Session 09 – Postbiotics & Immunity		
Chair(s): Haruki Kitazawa (Japan), Ratha Mahendran (Singapore)		
09:00-09:30	S09-1	Potential of Postimmunobiotics to Modulate Immunity to Infections: Mechanistic Insights Haruki Kitazawa (Japan) 
09:30-09:50	S09-2	GSTT2 and the Immune Response Ratha Mahendran (Singapore)
09:50-10:06	S09-3	Postbiotic <i>Lactobacillus pentosus</i> GK4 Attenuates Arecoline-Induced Oral Submucous Fibrosis in a Murine Model You-Shan Tsai (Taiwan)
10:06-10:18	S09-4	Antiviral Function of Postimmunobiotics: Identification of Key Factors Yoshiya Imamura (Japan)
10:18-10:30	S09-5	A Villi-Mimetic Porous Membrane for Anaerobic Co-Culture and Screening of Probiotics With Anti-Inflammatory Potential Hyunji Jo (South Korea)

09:00-10:30		Conference Room, 1F
Session 10 – Functional Probiotics		
Chair(s): Fusao Tomita (Japan), Ying-Chieh Tsai (Taiwan)		
09:00-09:20	S10-1	Lactic Acid Bacteria as Foods With Physiological Functional Claims Fusao Tomita (Japan)
09:20-09:40	S10-2	<i>Lacticaseibacillus paracasei</i> PS23: A Potential Gerobiotic for Promoting Healthy Aging Ying-Chieh Tsai (Taiwan)
09:40-09:56	S10-3	Protective Effects of Probiotic Lactobacilli Attenuate Blue Light-Induced Retinal Degeneration in a Murine Model Han-Yin Hsu (Taiwan)
09:56-10:12	S10-4	A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study on the Effects of <i>Lactobacillus (Latilactobacillus) Curvatus</i> CP2998 on Gait Function in Healthy Older Adults Shinji Sakata (Japan)
10:12-10:28	S10-5	Study on the Regulatory Effect of Patented Strain <i>Lactobacillus paracasei</i> LT12 on Hyperuricemia Meng-Yuan Yang (Taiwan)

09:00-10:30		101 Learning Room, 1F
Session 11 – Application in Agriculture and Livestock		
Chair(s): Jai-Wei Lee (Taiwan), Joel Padilla Rivadeneira (Philippines)		
09:00-09:20	S11-1	Application of Multi-Strained Probiotics to Improve Muscle Mass in Commercial Pigs Jai-Wei Lee (Taiwan)

09:20-09:36	S11-2	The Prebiotic and Antimicrobial Potential of Ultrasound-Extracted 'Saba' Banana Peel Pectin Joel Padilla Rivadeneira (Philippines)
09:36-09:52	S11-3	Identification of a Novel Seaweed Polysaccharides-Utilizing <i>Lactocaseibacillus paracasei</i> Strain and Its Potential Role in Enhancing Gut Immunity in Pigs Weichen Gong (Japan)
09:52-10:04	S11-4	<i>Lactiplantibacillus plantarum</i> Improves Silage Fermentation and Nutrient Preservation of Mulberry (<i>Morus alba</i> L.) Leaf Nico Dumandan (Philippines)
10:04-10:16	S11-5	Co-Supplementation of <i>Lactobacillus</i> and <i>Komagataeibacter</i> for Methane Reduction and Propionate Enhancement in Ruminant Fermentation Min-Geun Kang (South Korea)
10:16-10:28	S11-6	Development of an In Vitro Culture System for Simulating the Shrimp Gut Microbiota and Application in Investigating the Regulation of Microbial Communities by Probiotic-Derived Extracellular Vesicles Shu Hua Yang (Taiwan)


09:00-10:30		103 Learning Room, 1F
Session 12 – Metagenome Analysis		
Chair(s): Jiro Nakayama (Japan), Joshua Talavera Veluz (Philippines)		
09:00-09:20	S12-1	Comparative Metagenomic Analysis of Gut Microbiota Enterotypes in Asian Populations: Functional Insights Into Diet-Driven Microbial Adaptation Jiro Nakayama (Japan)
09:20-09:36	S12-2	A Novel Reference-Based Bias Correction Model: An Approach for Minimizing Next-Generation Sequencing Biases in Probiotic Microbiome Analysis Changwoo Park (South Korea)
09:36-09:52	S12-3	Comparative Genomics of Philippine Fermented Food-Derived <i>Lactiplantibacillus</i> Reveals Probiotic and Psychobiotic Potential and Extensive Genetic Overlap With Reference Strains Joshua Talavera Veluz (Philippines)
09:52-10:04	S12-4	Development and Assessment of Species-Specific Assays Using <i>rpoB</i> Genes for Accurate Quantification of Multi-Species Probiotic Products Jinyoung Park (South Korea)
10:04-10:16	S12-5	Genomic Features and Functional Properties of <i>Pediococcus pentosaceus</i> TAP041 Under Advanced Glycation End-Products-Related Stress Huijin Jeong (South Korea)
10:16-10:28	S12-6	Optimization of Fecal Microbiome Cultivation Simulating Human Gut Conditions for In Vitro Gut Models Pitchsupang Torrungruang (Thailand)

10:30-11:00

Corridor 1F-3F / Corridor 2F&3F

Coffee Break & Poster Presentation



11:00-12:30		Convention Hall, 2F
Session 13 – Microbiome and Health		
Chair(s): Sin-Hyeog Im (South Korea), Shir-Ly Huang (Taiwan)		
11:00-11:30	S13-1	Precision Microbiome Therapeutics for Intractable Disorders Sin-Hyeog Im (South Korea) 
11:30-11:50	S13-2	Bacterial Species-Specific Lactate Cross-Feeding Drives Postbiotics Remodeling in the Human Gut Microbiota and Health Shir-Ly Huang (Taiwan)
11:50-12:06	S13-3	Comparative Analysis of DNCB- and <i>S. aureus</i> Extracellular Vesicle-Induced Atopic Dermatitis: Mechanisms and Microbiome Interactions Jiachi Chiou (Hong Kong)
12:06-12:18	S13-4	Clinical Trial Results of <i>Lactobacillus brevis</i> GKJOY Probiotics for Psychological and Physical Symptom Improvement in Premenstrual Syndrome I-Tsang Chiang (Taiwan)
12:18-12:30	S13-5	<i>Lactiplantibacillus plantarum</i> PS128 Relieves Chronic Pain and Modulates Neuroimmune Responses in a Female Mouse Model of Fibromyalgia Ting-Yang Hsieh (Taiwan)

11:00-12:30		Conference Room, 1F
Session 14 – Gut-Brain Axis and Parkinson's Disease		
Chair(s): Hakjong Choi (South Korea), Hui-Yu Huang (Taiwan)		
11:00-11:20	S14-1	Probiotics Ameliorate Parkinson's Disease Symptoms by Modulating the Gut-Brain Axis Hakjong Choi (South Korea)
11:20-11:40	S14-2	Lactic Acid Bacteria as Neuroprotective Allies: Modulating the Gut-Brain-Metabolism Axis in Parkinson's Disease Hui-Yu Huang (Taiwan)
11:40-11:52	S14-3	Insights Into <i>Lactiplantibacillus Plantarum</i> PS128 Alleviate Parkinson's Disease Progression via Decreasing α -Synuclein Aggregation in Enteroendocrine Cells Fu-Sheng Deng (Taiwan)
11:52-12:04	S14-4	Probiotic <i>Lactobacillus</i> spp. and Its Derived Extracellular Vesicles Restore Intestinal and Sleep Homeostasis via Gut-Brain Axis Modulation Min Gyeong Kim (South Korea)
12:04-12:16	S14-5	The Gut Microbiota Modulate Locomotion via Vagus-Dependent Glucagon-Like Peptide-1 Signaling Tzu-Ting Lai (Taiwan)
12:16-12:28	S14-6	Effects of Live and Heat-Treated <i>Limosilactobacillus fermentum</i> PS150 on Circadian Rhythms and GABAergic Signaling in a Caffeine-Induced Insomnia Mouse Model Chin-Lin Huang (Taiwan)

11:00-12:30		101 Learning Room, 1F
Session 15 – Genome Identification		
Chair(s): Koichi Watanabe (Japan), Joel C. Cornista (Philippines)		
11:00-11:20	S15-1	Genome-Based Taxonomy of <i>Bifidobacteria</i> : Recent Advances Koichi Watanabe (Japan)
11:20-11:36	S15-2	When Good Bacteria Go Bad: The Hidden Risk of Antibiotic Resistance in Probiotics Joel C. Cornista (Philippines)
11:36-11:52	S15-3	Whole-Genome Sequencing of Three <i>Lactiplantibacillus plantarum</i> Strains Reveals Potential Metabolites for Boosting Host Immunity Safely I-Chen Li (Taiwan)
11:52-12:04	S15-4	Food-Derived Lactic Acid Bacteria Strains From the UP Culture Collection: Genomics-Based Assessment of Safety and Phage-Resilience Ma. Jhanessa Atazan Luague (Philippines)
12:04-12:16	S15-5	Draft Genome of a Thermotolerant <i>Weissella confusa</i> Isolated From a Cooked Traditional Filipino Dish Reveals Probiotic Potential and Provides Insights Into Potential Thermotolerance Mechanisms Josfred Jamilla Riva (Philippines)
12:16-12:28	S15-6	Yeast Side Story: Genomic Glimpse Into the Probiotic Potential of <i>Pichia kudriavzevii</i> UPCC 2067 and <i>Wickerhamomyces anomalus</i> UPCC 2145 Yeast Isolates Rafael Bricenio Eugenio (Philippines)

11:00-12:30		103 Learning Room, 1F
Session 16 – Functional Food & Probiotics		
Chair(s): Massalin Nakphaichit (Thailand), Rodney Honrada Perez (Philippines)		
11:00-11:20	S16-1	Precision Nutrition Through the Microbiome: The Future of Personalized Functional Foods Massalin Nakphaichit (Thailand)
11:20-11:40	S16-2	Evaluation of the Probiotic Potential of Two <i>Lacticaseibacillus rhamnosus</i> Strains Rodney Honrada Perez (Philippines)
11:40-11:56	S16-3	Optimization of Functional Ice Cream Formulated With Squash, Blue Ternate, and Fermented Milk Using <i>Lactobacillus Hilgardii</i> 2m38fabb3 (S22) Felicitas P. Sanculi (Philippines)
11:56-12:12	S16-4	Functional Properties of Fermented Philippine Wild Raspberry “ <i>Sampinit</i> ” [<i>Rubus rosifolius</i> (Sm.)] Using <i>Lactiplantibacillus plantarum</i> Ronalyn Veril Amper (Philippines)
12:12-12:24	S16-5	Production of Calcium Binding Peptide Derived From Cheddar Whey Fermented With Indigenous Lactic Acid Bacteria: In-Silico Study Mifta Gatya (Indonesia)



12:30-13:30 **Convention Hall, 2F**

Lunch Symposium (Sponsored by Grape King Bio)

Chair(s): Mandy Eddy (Taiwan)


12:30-12:50 **LS3-1** Precision Self-Care: The Role of Microbial Nutraceuticals in Emerging Market Trends
Kevin Li (Taiwan)

12:30-13:30 **Conference Room, 1F**

Lunch Symposium (Sponsored by TCI Co., Ltd)

Empowering Women's Wellness: From Microbes to Market Innovation

12:30-12:50 **LS4-1** Functional Probiotics Research Driven by Gut Axes: Mechanistic Evidence and Clinical Cases (腸軸線與功能性益生菌研究：機制證據與臨床案例)
Miles Wang (Taiwan)

13:30-15:00		Convention Hall, 2F
Session 17 – Gut Microbiota & Metabolites		
Chair(s): Wei-Li Wu (Taiwan), Siong Meng Lim (Malaysia)		
13:30-14:00	S17-1	Harnessing Gut Microbes and Metabolites to Regulate Brain – Gut Function Wei-Li Wu (Taiwan) 
14:00-14:20	S17-2	Attenuation of Lipopolysaccharide-Induced Oxidative Stress in SK-N-SH Cells by Soymilk-Derived Postbiotics Derived From <i>Lactiplantibacillus plantarum</i> LAB12 and <i>Lactocaseibacillus casei</i> Strain Shirota Siong Meng Lim (Malaysia)
14:20-14:36	S17-3	Human Intestinal Villi-on-Chip for Mechanistic Insights and Therapeutic Exploration of Host-Pathogen Interaction in Coronavirus Infection Min-Hyeok Kim (South Korea)
14:36-14:48	S17-4	Mind Over Microbes: Genomic Clues to Psychobiotic Potential Using Gut Brain Modules Paul Christian Gloria (Philippines)
14:48-15:00	S17-5	Gut Microbial Metabolites and Urbanization: Short-Chain Fatty Acids and Bile Acids Profile of Children From Leyte Island, Philippines Nurlisa Binti Mohd Azmil (Japan)

13:30-15:00		Conference Room, 1F
Session 18 – Probiotics and Immunomodulation		
Chair(s): Keita Nishiyama (Japan), Julio Villena (Japan)		
13:30-13:50	S18-1	Live Versus Heat-Treated <i>Lactiplantibacillus plantarum</i> : Distinct Effects on Intestinal Epithelial Metabolism and Immune Responses Keita Nishiyama (Japan)
13:50-14:10	S18-2	Immunobiotic <i>Lactiplantibacillus plantarum</i> Strains Beneficially Modulate the Intestinal Antiviral Immunity in Malnourished Immunocompromised Mice Julio Villena (Japan)
14:10-14:26	S18-3	Immunomodulatory Effects of <i>Lactobacillus helveticus</i> GCL1815 in Suppressing the Onset of the Common Cold Hiroka Wada (Japan)
14:26-14:38	S18-4	Anti-Inflammatory and Microbiota-Modulating Effects of Raw Milk Isolated <i>Lactocaseibacillus paracasei</i> RM081 in Mitigating Aflatoxin B1 Toxicity Solomon Abreham Tsega (Taiwan)
14:38-14:50	S18-5	Development of <i>Paraprobiotics</i> Derived From <i>Lactiplantibacillus plantarum</i> Strains and Their Functional Characteristics Ming Xuan Cho (Malaysia)
14:50-15:02	S18-6	Mitochondrial Regulation by <i>Limosilactobacillus Salivarius</i> in Porcine Intestinal Macrophages Nozomi Hariu (Japan)

13:30-15:00		101 Learning Room, 1F
Session 19 – Fermented Functional Foods		
Chair(s): Ingrid Suryanti Surono (Indonesia), Francisco B. Elegado (Philippines)		
13:30-13:50	S19-1	The Role of Functional Foods in Gut Health, Inflammation, and Stunting Ingrid Suryanti Surono (Indonesia)
13:50-14:10	S19-2	<i>Lactiplantibacillus plantarum</i> BS, an Indigenous Fermented Food Strain With Promising Food and Health Applications Francisco B. Elegado (Philippines)
14:10-14:26	S19-3	Anti-Obesity Effects of Extracts From Purple Sweet Potato Fermented With Lactic Acid Bacteria: Lipidomic and Bioactivity Insights Yung-Tsung Chen (Taiwan)
14:26-14:42	S19-4	In Vitro Digestibility Properties and Growth Response of <i>Lactiplantibacillus plantarum</i> BIOTECH 1064 to Purple Yam (<i>Dioscorea alata</i> L.) Powder Subjected to Domestic Processing Lotis Mopera (Philippines)
14:42-14:58	S19-5	Influence Of Lactic Acid Bacteria Fermentation Duration on The Physicochemical Characteristics and Flavor Profile of Berliner <i>Weisse</i> Huei-Rong Guo (Taiwan)

13:30-15:00		103 Learning Room, 1F
Session 20 – Cognitive Health		
Chair(s): Kalavathy Ramasamy (Malaysia), Sabrina Wang (Taiwan)		
13:30-13:50	S20-1	The Gut and Cognitive Frailty in Older Adults: Are Microbiota, Intestinal Permeability, and Intestinal Inflammation the Critical Links? Kalavathy Ramasamy (Malaysia)
13:50-14:06	S20-2	Anti-Aging Effects of <i>Lacticaseibacillus paracasei</i> PS117 on Cognitive and Intestinal Health in Naturally-Aged Mice: A Focus on Senescence-Related Proteins and Microbiota Composition Sabrina Wang (Taiwan)
14:06-14:22	S20-3	Administration of <i>Bifidobacteria</i> and Dietary Fiber Improves Cognitive Function by Increasing Short-Chain Fatty Acid–Producing Bacteria and Reducing Inflammation Naoki Azuma (Japan)
14:22-14:34	S20-4	The Mechanistic Study of Two-Stage Solid-State Fermented Soybean Meal and <i>Okara</i> Extracts on Anti-Aging Properties in <i>Caenorhabditis elegans</i> Hsin-Hui Su (Taiwan)
14:34-14:46	S20-5	Investigating the Effects of Antioxidant Probiotics on Lifespan and Health in <i>Caenorhabditis elegans</i> Bo-Hsun Huang (Taiwan)
14:46-14:58	S20-6	Using <i>Caenorhabditis elegans</i> to Explore the Effects and Regulatory Mechanisms of Probiotics in Improving Alzheimer’s Disease Ting-Hsuen Hsu (Taiwan)

15:00-16:00

Corridor 1F-3F / Corridor 2F&3F

Coffee Break & Poster Presentation

16:00-17:30		Convention Hall, 2F
Session 21 – Functional Probiotics		
Chair(s): Hiroshi Ohno (Japan), Teck Chwen Loh (Malaysia)		
16:00-16:20	S21-1	<i>Limosilactobacillus reuteri</i> Possesses Host Autoantigen-Mimicry Peptide and Aggravates Neuroinflammation in a Mouse Model of Multiple Sclerosis Hiroshi Ohno (Japan)
16:20-16:40	S21-2	Impacts of Postbiotic and Inulin Supplements on Growth Performance, Gut Morphology and Microflora Teck Chwen Loh (Malaysia)
16:40-16:56	S21-3	Upregulation of Amylases in <i>Limosilactobacillus fermentum</i> PJG11 Isolated From an Endemic <i>Dioscoreaceae</i> Enhances Utilization of Starch of Its Natural Substrate Peter James Icalia-Gann (Philippines)
16:56-17:08	S21-4	Unearthing a Rare Speleothem-Derived Streptomyces <i>manipurensis</i> as a Potential Plant Probiotic With Broad Antimicrobial Activity Catherine Joyce Sadava Orate (Philippines)
17:08-17:20	S21-5	Development of Probiotics for Production of Anti-Colon Cancer Peptides Vichugorn Wattayagorn (Thailand)
17:20-17:32	S21-6	Harnessing <i>Lactiplantibacillus plantarum</i> EP21 and Its Membrane Vesicles to Inhibit Myopia Development Chi-Fong Lin (Taiwan)


16:00-17:30		Conference Room, 1F
Session 22 – Microbiome and Health		
Chair(s): Wei-Kai Wu (Taiwan), Paiboon Tunsagool (Thailand)		
16:00-16:20	S22-1	Gut Microbes With the Gbu Genes Determine TMAO Production From L-Carnitine Intake and Serve as a Biomarker for Precision Nutrition Wei-Kai Wu (Taiwan)
16:20-16:40	S22-2	Triphala Extract-Induced Changes in the Fecal Microbiota and Metabolome of an Obese Adult Using a Dynamic In Vitro Model of the Human Ascending Colon Paiboon Tunsagool (Thailand)
16:40-16:56	S22-3	The Intake of <i>Psychobiotic Lactobacillus gasseri</i> CP2305 Regulates Menstrual Cycle-Related Symptoms in Women. Daisuke Sawada (Japan)
16:56-17:08	S22-4	Screening of Probiotic Strains for Potential Anti-Osteoporotic Effects in an In Vitro Model Yi-Chen Cheng (Taiwan)
17:08-17:20	S22-5	Putative Regulation of Folate Biosynthesis in <i>Lactiplantibacillus plantarum</i> BS25 under Oxidative Stress Ma. Juliana Rylca Goles Chiong (Philippines)
17:20-17:32	S22-6	Selection and Isolation of Antioxidative Probiotics From Kefir and Glucagon-Like Peptide-1 Secretion-Enhancing Probiotics From Tarhana Muhammet Ali Asan (Taiwan)

16:00-17:30	101 Learning Room, 1F
Asian Microbiome Project Coordinators: Prof. JIRO NAKAYAMA	

16:00-17:30		103 Learning Room, 1
Session 23 – Innovative Platforms		
Chair(s): Min-Tze Liong (China), Yong Ha Park (South Korea)		
16:00-16:20	S23-1	New Evolution of AI for the Next Generation of Probiotics and Microbiome Research Min-Tze Liong (China)
16:20-16:40	S23-2	From Kimchi to Drug: Translational Development of <i>Lactobacillus sakei</i> Probio65 Yong Ha Park (South Korea)
16:40-16:56	S23-3	Bridging Probiotic Mechanistic Research and Industrial Applications: Evaluating the Feasibility of the <i>C. elegans</i> Platform Using the Ergogenic Probiotic TWK10 Jian-Fu Liao (Taiwan)
16:56-17:08	S23-4	Engineering Anaerobic Host–Microbe Interfaces With a Villus-Mimetic Platform for Next-Generation Probiotic Screening Gwang Myeong Seo (South Korea)
17:08-17:20	S23-5	Investigation of Gut Microbiome Composition and Microbial Metabolite Profiles in Feline Regarding Biomarkers Associated With Chronic Kidney Disease Kwantida Popitool (Thailand)
17:20-17:32	S23-6	Engineering a Cylindrical Villi-Mimetic Intestinal Model for Host–Microbiota Studies Seulgi Lee (South Korea)



November 21, 2025, Friday

09:00-10:30		Convention Hall, 2F
Session 24 – Microbiota and Functional Probiotics		
Chair(s): Cheng-Chih Hsu (Taiwan), Seyed Abbas Shojaosadati (Iran)		
09:00-09:20	S24-1	The Role and Therapeutic Potential of Gut Microbes in Metabolic Diseases and GLP-1–Based Drug Development Cheng-Chih Hsu (Taiwan) 
09:20-09:40	S24-2	From Protection to Function: Prebiotic-Based Bionanocomposites as Innovative Platforms for Probiotic Encapsulation Seyed Abbas Shojaosadati (Iran)
09:40-09:56	S24-3	Synbiotic Effects of 2'-Fucosyllactose and <i>Bifidobacterium longum</i> subsp. <i>infantis</i> M-63 in Fermented Infant Fecal Communities Jier Xi (Japan)
09:56-10:08	S24-4	In Vitro Fermentability and Prebiotic Potential of <i>Dioscorea alata</i> L. Tuber as Affected by Domestic Cooking Methods Prince Joseph Gaban (Philippines)
10:08-10:20	S24-5	<i>Monascus pilosus</i> SWM-008–Fermented Red Mold Rice and Its Active Ingredient <i>Monascinol</i> as Prebiotics to Modulate <i>Akkermansia muciniphila</i> and Butyrate-Producing Bacteria, Ameliorating Liver Injury in Non-Alcoholic Fatty Liver Disease via Enhanced Postbiotic Activity Chia-Pei Hsieh (Taiwan)

09:00-10:30		Conference Room, 1F
Session 25 – Microbiota and Functional Probiotics		
Chair(s): Maryam Tajabadi Ebrahimi (Iran), Yin-Ru Chiang (Taiwan)		
09:00-09:20	S25-1	Diabetes and Probiotics: Unveiling the Potential of Iranian Native Probiotics Maryam Tajabadi Ebrahimi (Iran)
09:20-09:40	S25-2	Innovative Development of Androgen-Metabolizing Probiotics: Functional Gut Microbiome Therapy for Hyperandrogenism Treatment Yin-Ru Chiang (Taiwan)
09:40-10:00	S25-3	Gut Microbiota, Extracellular Vesicles, and BDNF: Emerging Insights Into Cognitive Impairment and Neuroprotection Tzu-Ming Pan (Taiwan)
10:00-10:16	S25-4	Enhancing Social Behavior in an Autism Spectrum Disorder Mouse Model: Investigating the Underlying Mechanisms of <i>Lactiplantibacillus plantarum</i> Intervention Chih-Ming Chen (Taiwan)
10:16-10:32	S25-5	A Functional Probiotic Targeting the Gut–Liver–Kidney Axis for Uric Acid Regulation Hsiao Wen Huang (Taiwan)

11:00-11:50		Convention Hall, 2F
Plenary 4		
Chair(s): Ying-Chieh Tsai (Taiwan)		
PL-04	The Human Microbiome in Precision Medicine Jack A Gilbert (UK)	
11:50-12:30		Convention Hall, 2F
Closing Ceremony		
Master of Ceremonies: Yue-Jia Lee (Taiwan)		