

CONFERENCE SCHEDULE

The 10th Biotechnology International Congress (BIC 2026)

DAY 1 : Wednesday, 2 September 2026

ROOM: MR212 - MR213						
Start Time	End Time	Code	Speaker	Topic	Chair/Co-Chair	
8.00 AM	9.30 AM	Registration				
9.30 AM	10.00 AM	Opening Ceremony	Welcome Speech: - Mr. Anucha Parnpichat (Assistant Director Competence Center LAB & Health VNU Asia Pacific) - Prof. Takeshi Omasa (President of The Asian Federation for Biotechnology, AFOB) Opening Speech: Assoc. Prof. Chuenchit Boonchird (Acting President of The Thai Society for Biotechnology)		MC: Assoc. Prof. Rujikan Nasanit	
10.00 AM	10.30 AM	Plenary I	Prof. Takeshi Omasa (Osaka University)	Mammalian Cells: A Workhorse Platform for Biologics Production	Chair: Prof. Chi-Wei Lan	
10.30 AM	11.00 AM	Plenary II	Prof. Jian-Jiang Zhong (Shanghai Jiao University)	Biomanufacturing Technology: Its Evolution and Contribution to the Society		
11.00 AM	11.20 AM	Break				Co-Chair:
11.20 AM	11.50 AM	Plenary III	Prof. Vip Viprakasit (Mahidol University)	The Cure is in the Code: The Rise of Gene Therapy	Assoc. Prof. Rujikan Nasanit	
11.50 AM	1.00 PM	Lunch and Visit Exhibition Hall EH102 – EH104				

DAY 1 : Wednesday, 2 September 2026

ROOM: MR212																			
Start Time	End Time	Code		Speaker					Topic								Chair/Co-Chair		
Session I																			
1.00 PM	1.20 PM	Keynote I		Prof. Penjit Srinophakun (Kasetsart university)					Life Cycle Assessment of Lignin-Derived Biomaterial for Better Environmental Friendliness								Chair: Prof. Mohd Fauzi Mh Busra		
1.20 PM	1.35 PM	Invited I		Prof. Ir Juferi Idris (UITM Sarawak Branch)					Optimization of Biochar Derived from Gaharu Waste (<i>Aquilaria malaccensis</i>) for the Adsorption of Methylene Blue via the Taguchi Method										
1.35 PM	1.50 PM	Invited II		Prof. Joongoo Lee (POSTECH)					Automated, Molecular Assembly of Reconstituted Cell-Free Systems from in Vitro Produced Components										
1.50 PM	2.02 PM	OP-01		Anuyut Yootoum					Comparative Pretreatment of Coffee Cherry Pulp for Polyhydroxyalkanoate Production by Thermotolerant <i>Inquiliinus</i> sp. CF22								Co-Chair:		
2.02 PM	2.14 PM	OP-02		Mary Segbefia					Sustainable Pretreatment of Durian Rind for Cellulose Nanofiber Extraction as a Bio-Based Reinforcement Material								Dr. Phattanon Prasithichoke		
2.14 PM	2.26 PM	OP-03		Bana Azad Tawfeeq					Plant-Microbe Interactions for Microplastic Removal Using Mangrove-Associated Herbaceous Plants in a Hydroponic System										
2.26 PM	2.38 PM	OP-04		Hamza Ghilzay					Green Extraction and Isolation of Cellulose Nanofibrils from Kiam (<i>Cotylelobium melanoxylon</i>) Wood Waste										
2.50 PM	3.50 PM	Break & Poster Session (Foyer between MR213 - MR214)																	
		PP-01	PP-02	PP-03	PP-04	PP-05	PP-06	PP-07	PP-08	PP-09	PP-10	PP-11	PP-12	PP-13	PP-14	PP-15	PP-16	PP-17	
		PP-18	PP-19	PP-20	PP-21	PP-22	PP-23	PP-24	PP-25	PP-26	PP-27	PP-28	PP-29	PP-30	PP-31	PP-32	PP-33	PP-34	
		PP-35	PP-36	PP-37	PP-38	PP-39	PP-40	PP-41	PP-42	PP-43	PP-44	PP-45	PP-46	-	-	-	-	-	
Session III																			
3.50 PM	4.10 PM	Keynote III		Prof. Mohd Fauzi Mh Busra (Universiti Kebangsaan Malaysia)					Next-Generation Chronic Wound Therapy: Enhancing ColPatch® with Plasma-Functionalised Bioscaffolds								Chair: Prof. Penjit Srinophakun		
4.10 PM	4.30 PM	Keynote IV		Assoc. Prof. Datin Ts. Khairani Idah Mokhtar (International Islamic University Malaysia (IIUM))					Harnessing Nature’s Potential: <i>In vitro</i> Evaluation of Malayan Deer Velvet Antler Extract and Chitosan Scaffolds on Dental Stem Cell-Based Bone Regeneration										
4.30 PM	4.50 PM	Keynote V		Assoc. Prof. Indranil Banerjee (Indian Institute of Technology)					Serum Albumin Supramolecular Complex based NIR-Responsive Multifunctional Phototherapeutic Platform for Chronic Wound Healing										
4.50 PM	5.02 PM	OP-05		Naga Darsshini					Physicochemical Characterization and 2D In Vitro Wound Healing Evaluation of a Novel Tripeptide								Co-Chair:		
5.02 PM	5.14 PM	OP-06		Fang Lim					Effect of Peptide Sequence Length on the Physicochemical Properties and Biological Performance in Hyperglycaemic Wound Healing								Assoc. Prof. Nopphon Weeranoppanant		
5.14 PM	5.26 PM	OP-07		Suppanut Sripratum					Cellulase-Assisted Enzymatic Remodeling of Bacterial Cellulose as a Scaffolds for Tissue Engineering Applications										

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Start Time	End Time	Code				Speaker				Topic								Chair/Co-Chair	
Session II																			
1.00 PM	1.20 PM	Keynote II				Prof. Kunal Pal (National Institute of Technology)				Functional Mimicry of Solid Shortenings via Synergistic Polymer–Lipid Emulgels: Engineering Structure–Quality Relationships in Steamed Bread Formulations								Chair: Prof. Takeshi Omasa Co-Chair: Asst. Prof. Nisit Watthanasakphuban	
1.20 PM	1.35 PM	Invited III				Assoc. Prof. Paiboon Tunsagool (Kasetsart University)				Genome-Based Analysis and Anti-Oomycete Activity of <i>Priestia ariyabhattai</i> PTKU-123 Against the Durian Pathogen <i>Phytophthora palmivora</i>									
1.35 PM	1.47 PM	OP-08				Mahmood-ur-Rahman Ansari				Investigating the Potential of Transcription Factors in Multiple Stress Tolerance: A Way Forward for Stress-Resilient Crop Plants under Climate Change Conditions									
1.47 PM	1.59 PM	OP-09				Mohibah Musa				Development and Optimization of Sustainable Fish Feed Formulations Using High-Lipid Algae Species for Aquaculture									
1.59 PM	2.11 PM	OP-10				Fina Amreta Laksmi				Single-Site Polarity Modulation Improves the Catalytic Efficiency and Thermostability of D-allulose 3-epimerase through Flexibility–Rigidity Rebalancing									
2.11 PM	2.23 PM	OP-11				Anusada Pattaravipak				Development of Oil-in-Water Emulsion Formulations to Enhance the Efficiency of Vitamin D3 Encapsulation									
2.23 PM	2.35 PM	OP-12				Pornpavit Phewkum				Application of Ohmic Heating Pretreatment to Accelerate the Aging Process and Modulate the Bioactive Profile of Black Shallots									
2.35 PM	2.47 PM	OP-13				Farida Pattanabhumi				Evaluation of the Protective Effects of an Energy- and Electrolyte-Enhanced Mulberry Beverage Against Delayed Onset Muscle Soreness Through Redox Balance Regulation									
2.47 PM	3.50 PM	Break & Poster Session (Foyer between MR213 - MR214)																	
		PP-01	PP-02	PP-03	PP-04	PP-05	PP-06	PP-07	PP-08	PP-09	PP-10	PP-11	PP-12	PP-13	PP-14	PP-15	PP-16	PP-17	
		PP-18	PP-19	PP-20	PP-21	PP-22	PP-23	PP-24	PP-25	PP-26	PP-27	PP-28	PP-29	PP-30	PP-31	PP-32	PP-33	PP-34	
		PP-35	PP-36	PP-37	PP-38	PP-39	PP-40	PP-41	PP-42	PP-43	PP-44	PP-45	PP-46	-	-	-	-	-	
Session IV																			
3.50 PM	4.10 PM	Keynote VI				Prof. Hideki Aoyagi (University of Tsukuba)				Development of an <i>In Vitro</i> Co-Culture Platform for Studying Interactions Between Intestinal Epithelial Cells and the Gut Microbe								Chair: Prof. Kunal Pal Co-Chair: Assoc. Prof. Paiboon Tunsagool	
4.10 PM	4.25 PM	Invited IV				Dr. Tsung-ju Li (Grape King Bio Co, Ltd.)				Liquid Fermentation Tech for Sustainable Health and Industry Advancement									
4.25 PM	4.40 PM	Invited V				Asst. Prof. Nisa Patikarnmonthon (Mahidol University)				Evolution of Nanoparticle Assembly: Bridging Proven Encapsulation with Reconfigurable Microfluidic Platforms									
4.40 PM	4.55 PM	Invited VI				Assoc. Prof. Jittima Luckanagul (Chulalongkorn University)				Designing Impactful Nanomedicine: Bridging Scientific Discovery and Global Translation									
4.55 PM	5.07 PM	OP-14				Faiz Ahmad Joyia				Recombinant Fibrinolytic Proteins: Production, Isolation, and Application of ‘Recombinant Lumbrokinase’ against Chemically Induced Thrombosis in Mice									
5.07 PM	5.19 PM	OP-15				Ekaterina Grizanova				Evolution of <i>Bacillus thuringiensis</i> virulence during passage through the resistant and susceptible host									
5.19 PM	5.31 PM	OP-16				Nichapat Wongsanekham				Encapsulation of Anti-Dengue Virus NS3 Monoclonal Antibody in PEG-PLGA Nanoparticles for Intracellular Delivery									

CONFERENCE SCHEDULE

The 10th Biotechnology International Congress (BIC 2026)

DAY 2 : Thursday, 3 September 2026

ROOM: MR212 - MR213						
Start Time	End Time	Code	Speaker	Topic	Chair/Co-Chair	
8.00 AM	9.30 AM	Registration				
9.30 AM	10.00 AM	Plenary IV	Prof. Alissara Reungsang (Khon Kaen University)	Sustainable Utilization of Sugarcane Industry Biomass and Residues for Bioenergy and Biochemical Production	Chair: Prof. Hideki Aoyagi	
10.00 AM	10.30 AM	Plenary V	Dr. Uracha Ruktanoncha (NANOTEC)	Next-Generation Nanobiotechnology: Transforming Healthcare, Food Systems, and Sustainability		
10.30 AM	10.50 AM	Break				
10.50 AM	11.05 AM	Industry talk I	Dr. Walaiporn Timbuntam (Amano Enzyme Asia Pacific Co.,Ltd)	Industrial Enzymes for a Circular Future: Global Market Landscape and Amano Specialty Solutions"	Co-Chair: Assoc. Prof. Tatsaporn Todhanakasem	
11.05 AM	11.20 AM	Industry talk II	Ms Sawitree Suklour (Gibthai Co. Ltd.)	From Discovery to Biomanufacturing - Integrated Biotechnology Solutions for Sustainable Innovation		
11.20 AM	1.00 PM	Lunch and Visit Exhibition Hall EH102 – EH104				

CONFERENCE SCHEDULE

DAY 2 : Thursday, 3 September 2026

ROOM: MR212																			
Start Time	End Time	Code		Speaker				Topic								Chair/Co-Chair			
Session V																			
1.00 PM	1.20 PM	Keynote VII		Prof. Ivan Dubovskiy (Siberian State University of Engineering and Biotechnology)				Biocontrol of Insects Pests in Russia: from Classic Bioinsecticides to State of Art Technology / or Pest Insects Biocontrol using Microbials and Genetic Biotechnologies								Chair: Prof. Alissara Reungsang Co-Chair: Dr. Phattanon Prasithichoke			
1.20 PM	1.35 PM	Invited VII		Assoc. Prof. Thawatchai Chaijarasphong (Mahidol University)				CRISPR Detection Platforms for Diseases in Aquaculture											
1.35 PM	1.47 PM	OP-17		Nantavadee Bootprom				Development and Evaluation of a Pumpkin Seed Enriched Functional Cream Cheese for Modulating Risk Factors of Polyendocrine Metabolic Ovarian Syndrome											
1.47 PM	1.59 PM	OP-18		Pincha Kwandee				Fecal Microbiota Alterations Induced by Triphala Extract											
1.59 PM	2.11 PM	OP-19		James Konkov				In Vitro Activity of a Co-Eluted Amphiphilic Crude Mixture Obtained from <i>Priestia arayabhatai</i> PTKU-123 Against <i>Phytophthora palmivora</i>											
2.11 PM	2.23 PM	OP-20		Agnibha Banerjee				Co-Solvent-Driven Structural Engineering of Rice Bran Oil-Based Oleogels Through Multidimensional Characterization: Advancing Solid Fat Mimetics in Food Biotechnology											
2.23 PM	2.35 PM	OP-21		Sampurna Ghosh				Multiscale Investigation of Pectin-Mediated Structural Reinforcement and Shelf-Life Enhancement in Whole Wheat Bread											
2.35 PM	3.35 PM	Break & Poster Session (Foyer between MR213 - MR214)																	
		PP-01	PP-02	PP-03	PP-04	PP-05	PP-06	PP-07	PP-08	PP-09	PP-10	PP-11	PP-12	PP-13	PP-14	PP-15	PP-16	PP-17	
		PP-18	PP-19	PP-20	PP-21	PP-22	PP-23	PP-24	PP-25	PP-26	PP-27	PP-28	PP-29	PP-30	PP-31	PP-32	PP-33	PP-34	
		PP-35	PP-36	PP-37	PP-38	PP-39	PP-40	PP-41	PP-42	PP-43	PP-44	PP-45	PP-46	-	-	-	-	-	
Session IV																			
3.35 PM	3.55 PM	Keynote VIII		Prof. Chi-Wei Lan (Yuan Ze University)				Nano-Bio Synergy: Biomass-Derived Carbon Quantum Dots for Enhancing Microbial Metabolism and Biochemical Production								Chair: Prof. Ivan Dubovskiy Co-Chair: Assoc. Prof. Thawatchai Chaijarasphong			
3.55 PM	4.15 PM	Keynote IX		Dr. Sissades Tongsima (BIOTEC)				Pioneering the Computational Genomic Bedrock of Next-Generation Biotechnology											
4.15 PM	4.30 PM	Invited IX		Assoc. Prof. Thanyaporn Wongnate (VISTEC)				Research and Innovation for Sustainable Waste Management in the Bio-Based Economy											
4.30 PM	4.45 PM	Invited X		Dr. Thapakorn Jaroentomeecha (Mahidol University)				Cell-Free Synthetic Glycobiology: Engineering Glycomolecules for Next-Generation Biotherapeutics and Vaccines											
4.45 PM	4.57 PM	OP-22		Sachidanand Singh				In-Silico Evaluation of <i>Moringa oleifera</i> and <i>Solanum americanum</i> Phytochemicals to Protect Red Blood Cell Membrane in Haemolytic Anemia: A Network Pharmacology Approach											
4.57 PM	5.09 PM	OP-23		Sivatch Imrattanak				Characterization, Purification and Media optimization of <i>S. cerevisiae</i> BHF5D35-2ΔAde2 for Superoxide dismutase production											
5.09 PM	5.55 PM	Awards and Closing Ceremony																Asst. Prof. Adisak Romsang	

CONFERENCE SCHEDULE

DAY 2 : Thursday, 3 September 2026

ROOM: MR213																		
Start Time	End Time	Code			Speaker				Topic							Chair/Co-Chair		
Youth Science																		
1.00 PM	1.15 PM	Invited VIII			Asst. Prof. Adisak Romsang (Mahidol University)				Shaping the Future of Responsible Biotechnology in Thailand through Biosafety Education and Training							Chair: Prof. Joongoo Lee Co-Chair: Dr. Thapakorn Jaroentomeechai		
1.15 PM	1.30 PM	OP-24			Korapak Thaweechaithaworn				SPIDERS DETECH: An AI Innovation for Classifying Spider Species via a LINE Chatbot									
1.30 PM	1.45 PM	OP-25			Noppatsorn Virulbuntheng				A Deep Learning-Based Smartphone Solution for Thai Jasmine Rice Quality Assessment									
1.45 PM	2.00 PM	OP-26			Thanistar Kingnara				Deep Learning-Based Skin Disease Classification Chatbot									
2.00 PM	2.15 PM	OP-27			Jiratchaya Sathitkul				Evaluation of Antioxidant Activity, Total Phenolic Content, and Total Flavonoid Content of <i>Phyllanthus emblica</i> and <i>Garcinia mangostana</i> Extracts for Potential Biotechnological Applications in Herbal Oral Healthcare									
2.15 PM	2.30 PM	OP-28			Kanatpol Sahakanjanakul				Bid by Bit: A Micro:bit-Based Wearable Device for Lower-Limb Motion Monitoring and Rehabilitation									
2.35 PM	3.35 PM	Break & Poster Session (Foyer between MR213 - 214)																
		PP-01	PP-02	PP-03	PP-04	PP-05	PP-06	PP-07	PP-08	PP-09	PP-10	PP-11	PP-12	PP-13	PP-14	PP-15	PP-16	PP-17
		PP-18	PP-19	PP-20	PP-21	PP-22	PP-23	PP-24	PP-25	PP-26	PP-27	PP-28	PP-29	PP-30	PP-31	PP-32	PP-33	PP-34
		PP-35	PP-36	PP-37	PP-38	PP-39	PP-40	PP-41	PP-42	PP-43	PP-44	PP-45	PP-46	-	-	-	-	-
Youth Science																		
3.35 PM	3.50 PM	OP-29			Aana Singhapong				A Preliminary Study of Liquid Biopsy-Based Detection of Epidermal Growth Factor Receptor Mutations Using a Surface Acoustic Wave Biosensor							Chair: Asst. Prof. Adisak Romsang Co-Chair: Asst. Prof. Nisa Patikarnmonthon		
3.50 PM	4.05 PM	OP-30			Kantapat Harnborvonkij				A Low-Carbon Biochar Module for Nitrogen Reduction, Eutrophication Mitigation, and Sustainable Urban Water Resilience									
4.05 PM	4.20 PM	OP-31			Alin Kasemtanakul				KneeHab Pro: A Wearable Motion Tracking System for Post Knee Surgery Rehabilitation									
4.20 PM	4.35 PM	OP-32			Punika Prempiyakij				AI-Engineered Nanoproteins: A De Novo Approach to Rapidly Suppress Human-to-Human Hantavirus Transmission									
4.35 PM	4.50 PM	OP-33			Gaweewat Thanasitnaphitkul				Evaluation of CRISPR/Cas12f-Mediated Genome Editing Targeting the BCL11A Enhancer in HEK293T Cells									
5.09 PM	5.55 PM	Awards and Closing Ceremony (ROOM: MR212)														Asst. Prof. Adisak Romsang		

CONFERENCE SCHEDULE

Poster Session

Foyer between Room MR213 - 214		
Code	Presenter	Topic
PP-01	Chia-Hung Kuo	Gelatin/agar film combined with <i>Psidium cattleianum</i> leaves carbon dots for food preservation
PP-02	Panyisa Potibut	Population Dynamics of Ammonia-Oxidizing and Nitrite-Oxidizing Bacteria in Outdoor Shrimp Culture Ponds
PP-03	Mongkhon Phanthura	Development of a SYBR Green Real-Time PCR Assay Targeting the <i>amoA</i> and <i>nxB</i> Genes for Monitoring Nitrifying Bacteria in a Recirculating Aquaculture System (RAS)
PP-04	Weera Piyatheerawong	Valorization of Sweet Sorghum Juice for Sustainable Protein Production Through Co-cultivation of Microalgae and Yeast Cells
PP-05	Rattiya Waeonukul	Effect of Maltose Concentration on the Production of Long-Chain Isomaltooligosaccharides by <i>Bacillus subtilis</i> strain AP-1
PP-06	Prattana Ketbot	Production of Manno Oligosaccharides from Soybean Residues by <i>Bacillus tequilensis</i> PLM1
PP-07	Watchaphon Wuttiyan	Genomic Resequencing Reveals Genetic Diversity and Population Structure of Durian in Uttaradit Province, Thailand
PP-08	Noppakorn Thadasawate	Postbiotic Potential of Cell-Free Supernatants from Khao-mak Microbial Isolates: Antimicrobial Activity and Stability
PP-09	Saharit Palasan	Nested Recombinase Polymerase Amplification Coupled with a CRISPR-Cas12a Assay for Sensitive and Specific Detection of <i>Streptococcus iniae</i> in Fish
PP-10	Suparada Suwanlertlum	Rapid CRISPR-Based Detection Platform for Species-Specific Identification of <i>Edwardsiella</i> Bacteria
PP-11	Rungrana Pichaikarn	Whole Genome Characterization of <i>Streptomyces angustmyceticus</i> as a Potential Biological Control Agent Against Southern Blight Disease Caused by <i>Agrothelia rolfsii</i>
PP-12	David Herawan	Substantial Catalytic Enhancement of D-allulose 3-epimerase from <i>Arthrobacter psychrolactophilus</i> : A Sustainable Chitosan Immobilization Strategy for Production of Low-Calorie Sweetener
PP-13	Yeryeong Lee	Preparation and Characterization of Mealworm-Contained Rice Starch Soft Foods for Older Adults with Dysphagia
PP-14	Mamoru Wakayama	Isolation and characterization of α -1,3-glucanase from alkaliphilic bacterium, <i>Alkalihalobacillus</i> sp.
PP-15	Paphanpaw Lekboonphet	Optimal Conditions for Mycelial Growth of the Ectomycorrhizal Mushroom Het Ra-ngok Lueang (<i>Amanita javanica</i>)
PP-16	Sirilak Baramee	D-Tagatose Production Using Recombinant L-Arabinose Isomerase from <i>Cellulomonas palmitytica</i>
PP-17	Jinnawat Nakmuang	Evaluation of Factors Affecting Phase Separation in Pickering Emulsions Stabilized by <i>Microbacterium esteraromaticum</i> SBS1-7
PP-18	Yuka Oe	Analysis of the Growth of Lactic Acid Bacteria Producing D-Serine under Controlled pH Conditions and the Expression of Genes Related to Serine Metabolism
PP-19	Nanako Mizuno	Identification and Functional Analysis of Serine Racemase Genes in D-Serine-Producing Lactic Acid Bacteria
PP-20	Otono Tsurudome	Roles of Aspartate β -Decarboxylases in Aspartate Metabolism in <i>Acetobacter pasteurianus</i> SKU1108
PP-21	Nang Yee Mon Htoo	Structural Basis for the High Catalytic Efficiency of the Iron-Dependent Xylose Isomerase from <i>Lactococcus lactis</i> IO-1
PP-22	Thunyamas Guntawang	Development of a Paper-Based Test Strip for Colorimetric Detection of Cholinesterase Activity in Canine Serum
PP-23	Apinya Singkhala	Valorization of Soybean Processing Residue as an Alternative Nitrogen Source for Enhanced Dark Fermentative Biohydrogen Production

CONFERENCE SCHEDULE

Poster Session

Foyer between Room MR213 - 214		
Code	Speaker	Topic
PP-24	Nurulhuda Madawa	Isolation and Identification of Thermoacidophilic Bacteria for Accelerated Food Waste Degradation
PP-25	Chonticha Janprungton	Evaluation of Culture-Substrate Compatibility and Hydraulic Retention Time for Enhanced Biohydrogen Production
PP-26	Thiyapan Noppakoon	Valorization of Corn Tassel Agro-Residues: Polyphenol Recovery and Cosmetic Potential via Conventional and Ultrasound-Assisted Extractions
PP-27	Thanpitcha Jenkit	Antioxidant and Antimicrobial Activities of Crude Extracts from <i>Phellinus</i> sp.
PP-28	Wasupol Phakamas	In Vitro Generation of Multispecific Cytotoxic T Lymphocytes Targeting GD2, PRAME, and PD-L1
PP-29	Thanakorn Tangsereesuk	Cloning, Heterologous Expression, and Purification of Sphingomyelinase of <i>Staphylococcus epidermidis</i>
PP-30	Sidra Bibi	Optimizing Mycelium Pellet Morphology and Its Impact on Bioactive Compound Production via a Taguchi Image Analysis Framework
PP-31	Worraanong Leewattanapasuk	Nucleotide Variations in the Middle Region of Melanocortin 4 Receptor Gene and Their Potential Association with Obesity Risk in the Thai Population
PP-32	Nitikul Teankrajang	Expression and Purification of Recombinant <i>SpCas9-HF1</i> -Plus Protein in <i>Escherichia coli</i> lysY/P ⁹ for High-Precision Gene Editing
PP-33	Tung Anh Hoang	A Multipurpose Antibody Format for Flexible Assay Development Using Cell-Based and Cell-Free Production
PP-34	Yujin Jeong	Thermo-Responsive Morphological Evolution and Rheological Behavior of Wax/Butter-Based Phase Change Microparticles
PP-35	Hwain Lee	Skin-Adhesive Illite-Containing Amphiphilic Hydrogel Composite Patches for Wound Care
PP-36	Jarunluk Keerativoranant	Investigating the Role of <i>Fusobacterium nucleatum</i> in Colorectal Cancer and the Inhibitory Effect of <i>Dendranthema morifolium</i> as a Natural Antibacterial Agent
PP-37	Thanabodee Worrakul	AI-Based Oral Lesion Detection System with Integrated Online Chatbot
PP-38	Saowaphak Duangram	Deciphering the Tissue-Specific Molecular Imprint of Oral Mesenchymal Stem Cells: A Comparative RNA-Seq Analysis
PP-39	Panisa Ngiampaisal	Transcriptomic Effects of Propylene Glycol on Oral Mucosal Barrier Integrity
PP-40	Siwat Viriyaoydiyem	PANI Smart Sutures
PP-41	Poonnapa Warunyurattana	Development of a Graphene-Modified Quartz Crystal Microbalance Biosensor for Non-Invasive Prostate Cancer Detection
PP-42	Tiarn Sripongtanakul	<i>mecA</i> and <i>dnaG</i> Gene Knockout in <i>Staphylococcus aureus</i> via CRISPR-Cas9 System as a Model for Methicillin-resistant <i>Staphylococcus aureus</i> inhibition
PP-43	Pititada Preechapongmit	An AI-Based System for Facial Expression Classification: A Comparative Study of Model Training Across Various Emotions
PP-44	Punyada Vanitchanont	Development of an AI-Based LINE Chatbot for Preliminary Classification of Common Pediatric Skin Conditions
PP-45	Wasitpol Akkawattananukul	Computational Evaluation of Understudied Second-Shell Residues Surrounding the Catalytic Triad of PETase
PP-46	Panisara Kraichotchai	Deep Learning-Based Classification of Oral Diseases