

Poster List

Day 2–27 August 2025 (Wednesday) | 15:05–16:00

Posters should be set up during lunch break and before 14:00 and must be removed after finger food party on the same day.

Day 3–28 August 2025 (Thursday) | 11:00–11:30 & 15:25–16:00

Posters should be set up from 8:30 to 9:15 and must be removed by 15:50 on the same day

27 August 2025		
1	Toshio Hattori	Decomposed matricellular proteins reflect the immune-protease activities of COVID-19
2	Wanda Destiarani	Computational Insights into the pH-Dependent Behavior of Ipilimumab-CTLA-4: A Switchable Antibody
3	Harshika Mahaveerchand	Structure-Guided Analysis and Functional Characterization of a Plant-Derived Coagulant Protein for Synthetic Dye Bioremediation
4	Joshua Lam	Exploring ATP Non-Specific Behaviour: How Forcefield Choice Shapes Molecular Dynamics Outcomes
5	Nelli Muradyan	Combining AlphaFold2 and MD Simulations to Elucidate 14-3-3-Mediated Assembly of IDR-Containing Proteins
6	Gabriella Tito	Interaction of new mixed-valence Polyoxovanadate clusters with proteins
7	Noah James Graves	GFP-Paint: Using Binding Affinity of GFP-Tagged HSPs to Strainotype alpha-Synuclein Polymorphs
8	Cong Liu	Development of an α -synuclein PET tracer for clinical diagnosis of Parkinson's diseases
9	Dan Li	Structural polymorphism of α -synuclein amyloid fibrils in Parkinson's disease
10	Shengnan Zhang	Design of Ig-like binders targeting α -synuclein fibril for mitigating its pathology
11	Vangelis Daskalakis	Molecular Dynamics of RNA-Guided Endonucleases: Comparative Insights into Cas12 and Eukaryotic Fanzor Systems
12	Akifumi Oda	Computational studies for structural features of tetrameric amyloid β 1-42 peptides with D-Asp1, 7, and 23 residues
13	Khushboo Bhagat	Multiscale Simulations and Profiling of Human Thymidine Phosphorylase Mutations: Insights into Structural, Dynamics, and Functional Impacts in Mitochondrial Neurogastrointestinal Encephalopathy
14	Rosanna Lucignano	New nanomaterials based on bioactive peptides: structural studies and molecular dynamics
15	Priya Dey	Caffeine as an Inhibitor of Amyloid- β Dimerization: A 3D-RISM and Molecular Dynamics Approach
16	Janusz Blasiak	Histone deacetylases 1 and 6 in migraine: potential therapeutic targets
17	Felipe Avila	Thermal treatment of Ribes magellanicum reduces the polyphenol-mediated protection of the proteasome and increases the accumulation of glycated proteins in AGS cells exposed to methylglyoxal
18	Wei yi	Construction of Rice Bran-Derived Glucosylceramide Liposomes and Their Application in Subcellular Enzyme Activity Analysis
19	Yuji Kanazawa	Effect of Skeletal Muscle Stretching on Factors Affecting Collagen Cross-linking
20	Safaa Omar Elazab Abdelhalim	Breaking down of plastic waste via insect enzymes

21	Vasil Pirgozliev	Gene expression of jejunal tight junction proteins in chickens fed supplementary myo-inositol
22	Vasil Pirgozliev	Effect of dietary phytase on gene expression of myo-inositol transporters in chicks jejunum
23	Luciranon Sribrama	Engineered-Enzyme Biomass Fuel Cells: Enhancing Bio-electrochemical Efficiency for Sustainable Energy
24	Hwa-Yeong Kim	Deubiquitinating enzymes associated with paclitaxel response in lung cancer cells
25	Sun-Kyu Jin	Differential expression of deubiquitinating enzymes in cisplatin-treated lung cancer cells
26	Supattra Poeaim	Natural Product-Based Discovery of Antibacterial Agents from <i>Sophora tomentosa</i> L. to Tackle Drug Resistance
27	Lexie Xiaoming CUI	Attenuation of Alzheimer's Disease-Associated Neuroinflammation Using Microglia-targeting Luteolin Nanoliposomes: A Proof-of-Concept Study
28	King-Ho CHEUNG	Luteolin Mitigates Neuroinflammation of Alzheimer's Disease Through the Activation of Mitophagy
29	Jane Liu	Design and Development Strategy for Target Proteins used in Antibody Drug Discovery
30	Ting Pan	The crosstalk between Ubiquitination and GlcNAcylation of CHAF1A regulates the HIV-1 latency and reactivation
31	Karakoz Zhailovna Badekova	Formulation of <i>Salvia dumetorum</i> Extract-Based Tablets for the Treatment of <i>Streptococcus mutans</i> Infections: Antimicrobial and Antibiofilm Properties
32	Nina Tsao	The AR-12 derivative P12-8 enhances autophagy in human microvascular endothelial cells against group A <i>Streptococcus</i> infection
33	Hung Huey-Shan	Characterization and Therapeutic Potential of Au-Col-Allicin Nanocomposite in DBTRG Glioblastoma Cells
34	Kritsada Pruksaphon	Integrated Computational Approaches Identified Gallic Acid-Flavonoid Conjugates as Effective Inhibitors against SARS-CoV-2 Main Protease (Mpro)
35	Kushal Bora	Development and evaluation of novel dual-target drugs against visceral leishmaniasis
36	Piotr Hanczyc	Lasing effect in studies on amyloid oligomers linked with neurodegenerative diseases
37	Krishna Yallappa Kolachi	Machine Learning Driven Techniques For The Discovery Of Nrf2/ARE Pathway Modulators For Combating Parkinson's Disease
38	Sana Inoue	The Role of Leukotriene B4 Type 2 Receptors in the Healing Process of Anticancer Agent-Induced Enteritis
39	YUN-RU WU	Probiotic <i>Lactobacillus rhamnosus</i> GG Attenuates PM2.5-induced Respiratory Inflammation and Modulates Cytokine Responses
40	Yuuki Otsuka	Dynamic Regulation of Zinc Transporters During Experimental Ileitis in Mice
41	Vladimir I. Tishkov	Formate dehydrogenase for detection of NAD ⁺ in biological samples
42	Swastika Banerjee	Comparative Docking and Systems-Level Terpenoid Integration Show Celastrol's Multi-Target Modulator in Parkinson's Pathophysiology

28 August 2025		
1	Shaocong Ou	Effects of Voltage Dependence and Rate Constants on Transient Currents in a Thermodynamically Constrained Mathematical Model of the Na/Ca Exchanger
2	Shani Stern	Dysregulation of Multiple Solute Carrier genes and Metabolic Deficits in SLC1A4-Mutant Human iPSC-Derived Hippocampal Neurons
3	Maggie Ming-Ki LEUNG	Targeting TRPM7 with Carvacrol to Alleviate Neuroinflammation in Alzheimer's Disease: Mechanistic and Therapeutic Insights
4	Kuntong Jia	Tetraspanin CD9 serves as a cellular receptor for fish Rhabdovirus eliciting clathrin- and caveolae-mediated endocytosis
5	Naoto Oikawa	Effect of γ -secretase dysfunction on neuronal cholesterol metabolism
6	Maika Miwa	Sirtuin-2 plays a key role in improving age-related decline in skin barrier function
7	Shing-Hwa Liu	Indoxyl sulfate, a uremic toxin, inhibits myoblast differentiation by the imbalance of cellular iron metabolism and reactive oxygen species
8	Yugo Nakazato	Integrins may regulate epithelial cell adhesion to cuticle for color pattern development in butterflies
9	Momo Ozaki	Involvement of TRP channels in the butterfly wing eyespot determination
10	David Y.B. Deng	Oxymatrine alleviates severe acute pancreatitis by inhibiting the excessive formation of NETs via the LFA-1/PKC/ROS pathway in neutrophils
11	Hae-Seul Choi	Deubiquitinating enzyme-mediated regulation of the pro-apoptotic protein Bax
12	Peng Zhu	Expression of epithelial-mesenchymal transition markers in circulating tumor cells from hepatocellular carcinoma patients after radical resection
13	Kuo-Lun Kuei	Synergistic Antitumor Effects and Underlying Mechanisms of Sodium Butyrate and Dovitinib Co-treatment in A549 Non-Small Cell Lung Cancer Cells
14	Kuo-Sheng Cheng	Antitumor effect and mechanism of 3-Methylindole and its derivative epoxydibenzonaphthylidene (O-DBNT) in MDA-MB-231 breast cancer cell line
15	Ning Wang	Infiltration of immunosuppressive myeloid population in hypoxic area of hepatocellular carcinoma determines its response to anti-PD1 therapy
16	Sooyeon Park	Panobinostat enhances 5-FU efficacy in gastric cancer cells through thymidylate synthase regulation
17	Nayeon Kim	Sodium butyrate improves 5-fluorouracil sensitivity in gastric cancer via thymidylate synthase and cell cycle regulation
18	Weiyi Tang	Major Advances and Limitations in CAR T cell Therapy
19	Pipin Agnesia	EPA and DHA from <i>Decapтерus macarellus</i> Suppresses Colorectal Cancer Cell Proliferation and Apoptosis via TP53 and NF- κ B Pathway Modulation
20	Zhu Zhang	20(S)-protopanaxadiol inhibits pancreatic cancer progression through targeting the C-X-C chemokine receptor type 4
21	Miao Yu	The Dynamic Feedback Between IL-6 and TWIST1 Drives Pancreatic Cancer Progression
22	Chih-Peng Chang	Sorafenib and regorafenib trigger IL-33-mediated immunosuppression to compromise the treatment efficacy in hepatocellular carcinoma
23	Jiann-Jyh Huang	Highly Expressed in Cancer 1 (Hec1): A Novel Therapeutic Target in Human Cancers
24	Po-Chang Shih	Structure-based drug design for targeting hard-to-target transcription factor STAT3 by focusing on a novel ligand binding site

25	Deisy Yurley Rodriguez-Sarmiento	Exploring the Signaling Mechanisms of Kisspeptin Receptor: A Structure-Activity Approach for Designing Safer Therapeutics
26	Jiayi Jin	Monitoring Heatstroke: A Proteomics-Based Multibiomarker Approach to Assess Potential Post-Heatstroke Complications
27	Kengo Iba	Vagal sensory neurons expressing oxytocin receptor regulate mental function via hypothalamic oxytocin neurons
28	Ken-ichi Aihara	Pemafibrate, a selective peroxisome proliferator-activated receptor α modulator, exerts eNOS-independent protective action against the development of steatotic liver disease in mice
29	Muyan Chu	Enhancing CFTR facilitates osteoporotic bone fracture healing in mice
30	Xiaojun Cai	Ovarian granulosa-specific knockout of multidrug resistance protein 4 (MRP4) induces female subfertility by disturbing late folliculogenesis and estrus cycle in mice
31	Sin-Jin Li	Targeting mitochondrial fission and extracellular mitochondria to ameliorate hepatic injury in metabolic dysfunction-associated fatty liver disease
32	Xin He	Histone chaperone CHAF1B facilitates germinal center B cell differentiation via cooperation with BCL6 and TBL1XR1
33	Shu-Wen Wan	Rab27-dependent release of extracellular vesicles facilitates the secretion of the dengue virus non-structural protein 1
34	Chih-Feng Kuo	Characterization of the content of endothelial extracellular vesicles derived from group A Streptococcus-infected human dermal microvascular endothelial cells
35	Yuki Shinohara	Regulation of angiotensinogen secretion by reactive oxygen species in mesangial cells
36	Masumi Kamiyama	Isoflavones regulate reactive oxygen species-induced angiotensinogen release in proximal tubule cells
37	Hazel Alexis Liang	Development of a Centella Asiatica - Based Antibacterial Spray to Inhibit the Growth of Listeria Monocytogenes on Food
38	TOMOHIRO SUGIYAMA	Prediction of Ischemic Stroke Using Serum Antibody Markers with a Machine Learning Model
39	Yu-Chun Wang	Illuminating Vitamin D's Regulatory Influence on Chloride Ion Dynamics in Zebrafish
40	Jumpei Yasuda	FUT8, a glycosyltransferase, mediates cardiac dysfunction during isoproterenol-induced heart failure mouse models
41	Sinisa Dovat	Casein Kinase II (CK2) regulates cell cycle progression and chromatin remodeling in hematological malignancies
42	Ting-Kuang Yeh	Explore the function of microRNAs in regulating the CaMKII α /SIRT1 signaling pathway and their implications for cognitive performance in adolescents
43	Jiping Zeng	The circ_0071616-miR-140-3p-USP34 axis mediates FoxM1 deubiquitination in Helicobacter pylori-induced gastric malignant transformation