

Poster Presentation (alphabetized by author's last name)

The letter indicates the session, and the number indicates the poster board number.

Session I: Wednesday, October 21, 1:10 pm - 2:20 pm

I-34	Chang, Hui-Chuan	Chemical rescue of proton relay system in an inactive mutant of human cytosolic aminopeptidase P
I-37	Chang, Ken-Lin	Hydrolysis of rice straw by cellulolytic, xylanolytic and ligninolytic enzymes
I-33	Chen, Chien-Sheng	Cooperative lactonization, electrochemical lactonization, and C–H···O hydrogen bond in oligosialic acid lactone
I-14	Chen, Chun-Chieh	The structural analysis of BaMV using single particle method by TEM
I-11	Chen, Po-Ting	A fluorogenic substrate for high-throughput screening compounds that promote the production of the A β -degrading enzyme neprilysin in cells
I-9	Chen, Yi-Ju	SIDSNOMS, A proteome-wide approach towards comprehensive site-specific identification of S-nitrosylome
I-19	Chiang, Ying-Hsuan	Three-dimension collagen-chitosan scaffold for osteoblast proliferation and differentiation
I-12	Chien, Wei-Ting	Enzymatic synthesis of UDP-galactose by glucose-1-phosphate thymidyltransferase and the application in lacnac synthesis
I-28	Cho, Chang-Szu	Role of α -L-fucosidase in the infection of <i>H. pylori</i> to gastric cancer cells
I-2	Chou, Ching-Yu	Shuttling device for field cycling experiment on NMR relaxation study in biological systems
I-20	Fang, Shun-lung	Functional characterization and molecular mechanisms of eosinophil cationic protein–heparin interaction

I-41	Han, Chia-Li	Sequential gel-assisted digestion for concomitant analysis of phosphorylated and glycosylated membrane proteome
I-3	Ho, Jin-Yuan	Synergy between CPS virulent factors and antibiotics resistance via gene networking in <i>klebsiella</i>
I-22	Ho, Meng-Jung	Development of potent and selective N-acetyl- β -glucosaminidase inhibitors for the treatment of osteoarthritis
I-4	Hsiao, Hsuan-Yi	Direct immobilization of unmodified carbohydrate microarray through boronate formation
I-1	Lai, Chian-Hui	Galactose encapsulated multifunctional magnetic nanoparticle for liver cancer cell internalization
I-29	Lee, Hsiao-Lin	Construction of the endoglucanase- β -glucosidase fusion protein as a bifunctional cellulase for efficient glucose production
I-45	Lee, I-Chi	Cell interaction with polyelectrolyte multilayers conjugated on supported lipid bilayers
I-35	Lee, Kuang-Li	Label-free and real-time biosensing arrays using surface plasmon resonance on gold nanoslits
I-36	Leichle, Thierry	A sensor-compatible bonding process to seal biofunctionalized nanochannels
I-17	Leonardo, Lesser-Rojas	Development of a nanoscale electronic bar code reader of transcriptional factor binding sites on DNA
I-30	Liao, Jiahn-Haur	Ditopic Complexation of Calcium Cation and Selenite Anion by Pirenoxine and its Implication in Cataract Prevention
I-31	Liao, Jiahn-Haur	Coumarin derivatives as anti-cataract agents
I-46	Liao, Kuo-Tang	Nanoscale molecular traps for ultrafast protein preconcentration: 10^5 -fold enhancement in 20 seconds
I-13	Lin, Chih-Yun	Design of a suicide peptide inhibitor to trap A β 40 and attenuate its cytotoxicity

I-6	Lin, Liang-Ting	Use of foamyviral gene delivery system for reporter genes of optical imaging <i>in vitro</i>
I-39	Lin, Po-Keng	The stretching dynamics and transport of DNA molecules along sidewalls of a quasi-two-dimensional nanoslit
I-16	Lin, Yu-Ching	Critical role of arginine 518 of the Lon protease α -domain from <i>brevibacillus thermoruber</i> WR-249 in DNA-binding specificity
I-8	Mohan, Nitin	<i>In vivo</i> imaging and toxicity studies of fluorescent nanodiamonds in <i>C. elegans</i>
I-5	Patil, Pratap Subhashrao	Total synthesis of <i>mycobacterium tuberculosis</i> phosphatidylinositol dimannoside
I-24	Shen, Jie-Pan	Reshaping biological oscillator during bacterial cell division with micro/nano-fluidic devices
I-40	Su, An-Kai	A simple magnetic nanoprobe-based approach for selective purification and identification of protein complexes in colorectal cancer cells
I-18	Tsai, Chia-Feng	High-speed proteomic signature by informatics-assisted label-free quantitation
I-44	Tsai, Hsuan-Ang	Layer-by-layer polypeptide polyelectrolyte for efficient selection, enrichment, and maintenance of stem cells <i>in vitro</i>
I-23	Tsai, Min-Yeh	Molecular dynamics insight into the role of tertiary (foldon) interactions on unfolding in cytochrome c
I-43	Tseng, Po-Yuan	Extracellular matrix protein-conjugated membrane-mimetic surfaces for studying cell-biomaterial interactions
I-7	Vairakkannu, Vaijayanthimala	<i>In vitro</i> cellular uptake mechanism of biocompatible fluorescent nanodiamonds
I-32	Wang, Chun-Chieh	Membrane activities of living cells characterized by 3D optical tracking and wide-field profilometry

I-15	Wang, Kai-Yi	Prostate-specific antigen detection using nanoprobe-based affinity mass spectrometry
I-42	Wei, Cheng-Wey	Cells-on-a-chip: A replenishment cell culture substrates in microfluidic systems
I-10	Wu, Huan-Ting	Nanoprobe-based immobilized metal affinity chromatography for enhanced enrichment of multiply phosphorylated peptides
I-25	Wu, Jen-Chia	Constructing of unidirectional polypeptide based molecular diode
I-21	Yang, Chih-Tsung	Thermo- and chemical- responsive surface grafted poly (β -Benzyl-L- Aspartate) films
I-38	Yang, Li-Ling	Investigations on ubiquitin by spFRET
I-27	Yeh, Jia-Wei	Single molecule tug-of-war and confinement-induced entropic recoiling of DNA in 50 and 100 nm nNanoslits
I-26	Yu, Ching-Ching	Site-specific Immobilization of enzyme on magnetic nanoparticle for practical applications