



## Workshop II: High Flux Small-Angle X-ray Scattering on Biological Complex Structures

**Chair: Dr. U-Ser Jeng (鄭有舜)**

Name	Topic
Takaaki Hikima RIKEN, Japan	RIKEN Structural Biology Beamline I (BL45XU) at SPring-8
Meng-Chiao Joseph Ho (何孟樵) Academia Sinica (中央研究院)	A Parallel Approach to Protein Complex Structure Determination: Small Angle X-ray Scattering
Shang-Te Danny Hsu (徐尚德) Academia Sinica (中央研究院)	Use of SAXS in Studying Knotted Protein Folding
Jie-rong Huang (黃介嶸) National Yang-Ming Univ. (國立陽明大學)	Exploring the Conformational Propensity of Highly Dynamic Proteins Using SAXS and NMR
Hiroyasu Masunaga JASRI, Japan	Development and Recent Results of the BL03XU SAXS Beamline at SPring-8
Mu-Ping Nieh (聶睦平) Univ. of Connecticut, USA	Nanostructural Characterization of Au-nanoparticle/Lipid Complexes Using Small Angle X-ray Scattering
Javier Perez Synchrotron SOLEIL, France	Synchrotron Sec-saxs Data as Experimental Constraints to Model the Detergent Corona Around a Membrane Protein
Orion Shih (施怡之) NSRRC (國家同步輻射研究中心)	Resolving the Fine Structural Changes of Lipid Nanodiscs Upon Calcium Binding Using Simultaneous SEC-SAXS/RI and UV-Vis Absorption

Name	Topic
Shu-Ying Sherry Wang (王淑鶯) National Cheng Kung Univ. (國立成功大學)	Functional Flexibility of the Interleukin-1 Receptor Family
Naoto Yagi JASRI, Japan	SAXS Experiments at Public Beamlines of SPring-8
Hsiao-Ching Yang (楊小青) Fu Jen Catholic Univ. (輔仁大學)	Probing the Dynamic Spectra of the Intrinsic Channels in Thromboxane and Prostacyclin Syntheses by Molecular Dynamics Simulation and Small-Angle X-ray Scattering
Yi-Qi Yeh (葉奕琪) NSRRC (國家同步輻射研究中心)	Stoichiometric Unfolding of Bovine Serum Albumin (BSA) by Surfactants, from Monomers to Micelles, as Revealed from HPLC/SAXS with On-line Observations of UV-Vis Absorption and Refractive Index

