



應用科學研究中心

Research Center for Applied Sciences

8th Miniworkshop on Multiscale Simulations of Biological Systems

Date: Friday, 9th of June 2017

Venue: B106 Auditorium, 1st Floor, Interdisciplinary Research Building for Science and Technology (IRBST)

TIME	ACTIVITIES
09:45 – 10:00	Registration
10:00 – 10:10	Opening Jung-Hsin Lin, AS and NTU, Taipei Wolfgang Fischer, NYMU, Taipei Hao-Jen Hsu, TCU, Hualien
10:10 – 10:30	Yi-Xian Chen , Academia Sinica, Polymer Physics and Complex Fluid Group <i>Modeling gas influences on lipid bilayers.</i>
10:30 – 10:50	Ching-Yu Chou , Academia Sinica, Pharmacoinformatics Lab <i>New relaxometry device for determining the protein dynamics with nuclear magnetic resonance spectroscopy.</i>
10:50 – 11:10	Dhananjay Joshi , Academia Sinica, Pharmacoinformatics Lab <i>Sequential umbrella sampling based multiple-walkers on curvilinear pathways and potential mean force calculation for protein-protein dissociation.</i>
11:10 – 11:30	Coffee Break
11:30 – 11:50	Pei-Ying Chu , Academia Sinica, Pharmacoinformatics Lab <i>What is the coordination number of zinc in histone deacetylases? A survey based on the structures in Protein Data Bank.</i>
11:50 – 12:10	Ta-Chou Huang , National Yang-Ming University, Biophysical Chemistry Lab <i>Viral ion channel architecture through bioinformatics tools.</i>
12:10 – 12:30	Kingsley Theras Primus Dass , Tzu Chi University, Biophysics and Structural Bioinformatics Lab <i>In silico study on the activation mechanism of chemokine receptor CXCR4 in complex with chemokine CXCL12 and Gαi protein.</i>
12:30 – 13:50	Lunch Break
13:50 – 14:10	Ya-Tzu Li , Tze Chi University, Biophysics and Structural Bioinformatics Lab <i>Conformational change of dopamine D3 receptor complex induces GDP dissociation from Gαi protein for signal transmission.</i>
14:10 – 14:30	Ram Mahato , National Yang-Ming University, Biophysical Chemistry Lab <i>Probing the interaction of Human papillomavirus E5 protein with the TMD4 of 16kDa ATPase.</i>
14:30 – 14:50	Kai-Chun Chang National Taiwan University, Single Molecule Biology Lab <i>Structured mRNA induces ribosomal rolling during frameshifting</i>
14:50 – 15:00	Closing remarks