

Summer School on Protein Folding, Function and Dynamics

June 27 – July 2

June 27

Registration

June 28

8:30-9:30 Basic Principles of Protein Structure I (Luhua Lai, PKU)
9:30-9:50 break
9:50-10:50 Basic Principles of Protein Structure II (Luhua Lai, PKU)
10:50-11:10 break
11:10-12:10 Basic Protein Folding Study I (Aoneng Cao, PKU)

2:00-3:00 Basic Protein Structure and Function (Luhua Lai, PKU)
3:00-3:20 break
3:20-4:20 Basic Protein Folding II (Aoneng Cao, PKU)
4:20-4:40 break
4:40-5:40 Basic Protein Folding III (Aoneng Cao, PKU)

June 29

8:30-9:30 Protein Folding Fast Kinetics – I (Feng Gai, UPenn)
9:30-9:50 break
9:50-10:50 Protein Folding Fast Kinetics - II (Feng Gai, UPenn)
10:50-11:10 break
11:10-12:10 Speed Control in Biological Systems – I (Huan-Xiang Zhou, Florida State U.)

2:00-3:00 Speed Control in Biological Systems – II (Huan-Xiang Zhou, Florida State U.)
3:00-3:20 break
3:20-4:20 Speed Control in Biological Systems – III (Huan-Xiang Zhou, Florida State U.)

June 30

8:30-9:30 Protein Folding Fast Kinetics - III (Feng Gai, UPenn)
9:30-9:50 break
9:50-10:50 Protein Folding Fast Kinetics - IV (Feng Gai, UPenn)
10:50-11:10 break
11:10-12:10 The Macromolecule Assisted Protein Folding-I (Zhi-Zhen Wang, CAS)

2:00-3:00 The Macromolecule Assisted Protein Folding–II (Zhi-Zhen Wang, CAS)
3:00-3:20 break
3:20-4:50 discussions on experimental approaches for protein folding (Zhi-Zhen Wang, CAS)

July 1

8:30-9:30 Protein Design I (Jeff Saven, UPenn)
9:30-9:50 break

9:50-10:50 Protein Design II (Jeff Saven, UPenn)
10:50-11:10 break
11:10-12:10 Protein Design III (Jeff Saven, UPenn)

2:00-3:00 Other Challenges in Computational Biology – I (Chao Tang, UCSF)
3:00-3:20 break
3:20-4:20 Other Challenges in Computational Biology – II (Hao Li, UCSF)
4:20-4:40 break
4:40-5:40 Other Challenges in Computational Biology – III(Hao Li, UCSF)

July 2

8:30-9:30 Protein Folding Simulations-I (Ray Luo, UC Irvine)
9:30-9:50 break
9:50-10:50 Protein Folding Simulations-II (Ray Luo, UC Irvine)
10:50-11:10 break
11:10-12:10 Thermodynamics and Kinetics: modeling and data interpretations (Hong Qian, UWashingon)

2:00-3:00 Thermodynamics and Kinetics: modeling and data interpretations (Hong Qian, UWashingon)
3:00-3:20 break
3:20-4:20 Recent Advances on Protein Folding Energy Landscape (Martin Gruebele (UIUC))
4:20-4:40 break
4:40-5:40 Recent Advances on Protein Folding Energy Landscape (Martin Gruebele (UIUC))