

III Bioinformatics

Date	Topic	Instructor
July 10 (Mon) 8:30-9:50	Opening report Biocuration: Driven by Functional Studies for Biology	Prof. Yixue Li Shanghai Jiao Tong University
July 10 10:10-11:30	A Data-driven Translational Medicine Research	Prof. Hui Lu Shanghai Jiao Tong University
July10 13:00-16:00	Biological Sequence Analysis	Prof. Chaochun Wei Shanghai Jiao Tong University
July11 (Tue) 8:30-11:30	Shotgun Proteomics data analysis. Practice in protein qualitative and quantitative analysis	Associate Prof. Jing Li Shanghai Jiao Tong University
July 11 13:00-16:00	Systems biology and metabolic network analysis.	Associate Prof. Zhuo Wang Shanghai Jiao Tong University
July 12 (Wed) 8:30-11:30	1 Development and test of force field for Intrinsically Disordered Proteins and Computer Aided Drug Design 2 Simulation and analysis of Intrinsically Disordered pKID	Associate Prof. Haifeng Chen Shanghai Jiao Tong University
July 12 13:00-16:00	1 Computation for discovery: principle and application of structural bioinformatics 2 Computation with Gaussian, the Quantum Mechanistic Software	Associate Prof. Ting Shi Shanghai Jiao Tong University
July 13 (Thr) 8:30-11:30	Molecular simulations on enzymes and drug-target interactions.	Associate Prof. Qin Xu Shanghai Jiao Tong University
July 13 13:00-16:00	Mining the Transcriptomics: Case Studies. Dummy Transcriptome Analysis From Scratch	Associate Prof. Maoying Wu Shanghai Jiao Tong University