III Bioinformatics

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| **Date** | **Topic** | **Instructor** |
| July 11 (Mon)8:30-9:50 | Opening reportBiocuration: Driven by Functional Studies for Biology | **Prof. Yixue Li**Shanghai Jiao Tong University |
| July 1110:10-11:30 | A Data-driven Translational Medicine Research | **Prof. Hui Lu**Shanghai Jiao Tong University |
| July1113:00-16:00 | Biological Sequence Analysis | **Prof. Chaochun Wei**Shanghai Jiao Tong University |
| July12 (Tue)8:30-11:00 | Mining the Transcriptomics: Case Studies.Dummy Transcriptome Analysis From Scratch | **Associate Prof. Maoying Wu**Shanghai Jiao Tong University |
| July 1212:30-14:00 | Systems biology and metabolic network analysis.  | **Associate Prof. Zhuo Wang**Shanghai Jiao Tong University |
| July 13 (Wed)8:30-9:50 | Development and test of force field for Intrinsically Disordered Proteins and Computer Aided Drug Design | **Associate Prof. Haifeng Chen*** Shanghai Jiao Tong University
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| July 1310:10-11:30 | Computation for discovery: principle and application of structural bioinformatics | **Prof. Yilei Zhao*** Shanghai Jiao Tong University
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| July 1313:00-14:20exercise on computer | Simulation and analysis of Intrinsically Disordered pKID | **Associate Prof. Haifeng Chen*** Shanghai Jiao Tong University
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| July 1314:40-16:00exercise on computer | Computation with Gaussian, the Quantum Mechanistic Software | **Associate Prof. Ting Shi*** Shanghai Jiao Tong University
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| July 14 (Thr)8:30-11:30 | Molecular simulations on enzymes and drug-target interactions. | **Associate Prof. Qin Xu**Shanghai Jiao Tong University |
| July 1413:00-16:00 | Shotgun Proteomics data analysisPractice in protein qualitative and quantitative analysis | **Associate Prof. Jing Li**Shanghai Jiao Tong University |