III Bioinformatics

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| **Date** | **Topic** | **Instructor** |
| July 11 (Mon)  8:30-9:50 | Opening report  Biocuration: Driven by Functional Studies for Biology | **Prof. Yixue Li**  Shanghai Jiao Tong University |
| July 11  10:10-11:30 | A Data-driven Translational Medicine Research | **Prof. Hui Lu**  Shanghai Jiao Tong University |
| July11  13:00-16:00 | 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 12  12:30-14:00 | 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 |
| July 13  10:10-11:30 | Computation for discovery: principle and application of structural bioinformatics | **Prof. Yilei Zhao**   * Shanghai Jiao Tong University |
| July 13  13:00-14:20  exercise on computer | Simulation and analysis of Intrinsically Disordered pKID | **Associate Prof. Haifeng Chen**   * Shanghai Jiao Tong University |
| July 13  14:40-16:00  exercise on computer | Computation with Gaussian, the Quantum Mechanistic Software | **Associate Prof. Ting Shi**   * Shanghai Jiao Tong University |
| July 14 (Thr)  8:30-11:30 | Molecular simulations on enzymes and drug-target interactions. | **Associate Prof. Qin Xu**  Shanghai Jiao Tong University |
| July 14  13:00-16:00 | Shotgun Proteomics data analysis  Practice in protein qualitative and quantitative analysis | **Associate Prof. Jing Li**  Shanghai Jiao Tong University |