زمینه های مورد علاقه اساتید گروه بیوانفورماتیک

زمینه های مورد علاقه و تحقیق	نام اساتید
Computational Systems Biology Bioinformatics (algorithm & computation) and Brain Systems Biology Analysis of Biological Networks (graph theory, network motif, etc) Cancer & disease modeling and network biology Cancer stem cell modeling Protein-Protein Interaction Networks Drug-Target Interaction Networks MicroRNA and RNAi pathway reconstruction Genetic Circuits & Synthetic Biology Dynamics of Biological Systems Bio-Mathematics Network Reconstruction & Genome Scale Modeling Controllability & Observability in Biological Networks Communication in Nano-Networks	دکتر علی مسعودی نژاد (امسال دانشجو نمی پذیرند) دانشیار
Structural Bioinformatics Biomolecular Modeling and Simulation Protein-Protein and Protein-Ligand Interactions Development of Scoring Function Mathematica package development Modeling of Metabolic Networks	دکتر محمد حسین کریمی جعفری استادیار
Bioinformatics & Computational Biology Complex Biological Systems and Networks Metagenome & Metatranscriptome Analysis Machine Learning & Pattern Recognition (application in biology) Uncertainty and Its mathematical basis (application in biology) Data/ Information Fusion (application in biology) Distributed Systems (application in biology)	دکتر کاوه کاوسی استادیار
Systems Pharmacology Bioinformatics and Computational Biology Computational Drug Design Machine Learning Methods in Drug Discovery Chemoinformatics and Chemogenomics Drug-Target and Drug-Diseases Networks Quantitative Structure-Activity Relationship (QSAR)	دکتر سجاد قرقانی استادیار