

Postdoctoral Fellow

The Shmulevich group is seeking a computationally-oriented Postdoctoral Fellow. The successful applicant will work with an interdisciplinary team of computational biologists, bioinformaticians, basic scientists and clinical researchers to:

- Integrate and analyze genomic data from The Cancer Genome Atlas (TCGA) and the Genomic Data Analysis Network (GDAN) with a focus on miRNA expression and regulation, and/or
- Leverage heterogeneous cancer genomics data for drug sensitivity prediction and development of human cancer therapeutics as part of the Cancer Target Discovery And Development (CTD2) consortium.

The work involves participation in and contribution to these larger projects through multi-site collaborations, but also offers the freedom to pursue one's own research interests.

This position will provide an excellent opportunity to work and train as part of a highly motivated interdisciplinary team in the rapidly developing areas of cancer genomics and precision cancer care. The ISB is a leading research institution in the fields of computational and systems biology with applications ranging from human health to environmental sustainability.

Who should apply? Successful candidates will have a PhD in computational biology or a related field. Preference will be given to candidates who have at least 4 years experience in computational biology, including the design and implementation of algorithms applied to the analysis of biological data.

Strong analytical, programming and communication skills are essential. Experience with common bioinformatics methods, tools, websites and data resources is important, in particular high-throughput data analysis tools and techniques, statistical analysis, genome sequence analysis, and experience retrieving, manipulating and managing data from public data repositories such as TCGA, ENCODE, NCBI and Ensembl. The ability to work with a variety of different biological data types is highly desired, as is experience working with cancer genomics data.

Applicants should include a brief (1-2 paragraph) statement summarizing their research.

Start your application [here](#) or through <https://www.systemsbiology.org/about/careers/>