

## Ph.D. Studentships Available

### **Computational Biology and Bioinformatics** **University of Southern California** **Los Angeles, USA**

The University of Southern California (USC) is an international leading institution in Computational Biology and Bioinformatics for more than 30 years. Since Michael Waterman joined USC in 1982, the group has grown to include 9 core faculty members, 9 affiliated professors, and more than 50 doctoral students and postdoctoral associates.

Our research is supported by grants from the National Institutes of Health (NIH) and the National Science Foundation (NSF), as well as private foundations. From NIH we were awarded two Center of Excellence in Genome Science (2003 and 2009), a Center for Disease Knowledge Base and Coordination (2011), and a Center for Integrative Genome Structure Analysis (2015).

Students in our program may choose from a broad set of research topics, with the following areas receiving particular emphasis:

- Computational structural biology
- Quantitative genetics and evolutionary biology
- Genomics and epigenomics
- Network analytics
- Systems biology
- Metagenomics
- Sequence analysis, genome assembly and mapping
- Molecular and Brain imaging data analysis
- Molecular modeling and design
- Methodology for analyzing big data

During the initial semesters, training in statistics and computer science provides our students with a robust foundation in data science. In their dissertation research, students examine biological and biomedical questions using quantitative approaches and develop novel methods for biological data analysis.

Incoming students receive financial support for a minimum of five years. Financial support includes a monthly stipend, paid tuition, and health insurance coverage. Our graduates also have an exceptional placement rate, with some opting for highly desirable industry positions, and others continuing successfully in academia and research. Southern California is one of the premier cultural hubs in the country, and we have nearly perfect weather year round.

We hope you will consider applying to our Ph.D. program.

Please visit our web page for additional information: <http://dornsife.usc.edu/cbb>

Questions? Please contact us at [cbbgrad@usc.edu](mailto:cbbgrad@usc.edu)

**Fall 2017 Application Deadline: December 15, 2016**

