Ph.D. in Computational Biology and Bioinformatics

University of Southern California
Los Angeles, CA

The University of Southern California (USC) is an international leading institution in Computational Biology and Bioinformatics for more than 35 years. Since Michael Waterman joined USC in 1982, the group has grown to include a large number of core and affiliated faculty members with Nobel and Dan David prize laureates, members of the US National Academy of Sciences and the US National Academy of Engineering, and members of the Royal Society. The program has more than 60 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. We were awarded Center of Excellence in Genome Science grants by NIH for two funding periods to develop novel and innovative genomic research projects.

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, population genetics, and evolutionary biology
- Genomics, epigenomics and metagenomics
- Molecular dynamics, networks, and systems biology
- Big data, machine learning, and precision medicine
- Neuro and molecular imaging
- Sequence analysis, genome assembly

Our graduates 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/qcb](http://dornsife.usc.edu/qcb)

Questions? Please contact Ashley Tozzi at tozzi@usc.edu

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**Prepare for Various Careers**
- Academic and research institutions
- Corporations
- Government Organizations
- Non-profit companies

**Financial Support**
- Monthly stipend
- Paid tuition
- Health and dental insurance
- Minimum 5 years of support

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**Fall 2021 Application Deadline:**
December 15, 2020