

Tell me why the Molecular, Cell, and Developmental Biology Graduate Program is the right choice for me.

The MCD Biology Department at UC Santa Cruz provides a rigorous and lively training environment for students and fellows at all levels. The National Institutes of Health have recognized the quality of the training program and its students by awarding an NIH Training Grant.

Do you have any diversity fellowships or other opportunities specific to your program?

Our department can nominate students to the Cota Robles Fellowship upon admission to the program. We also have students currently funded through IMSD and our NIH Training Grant.

What type of support do first-year graduate students in your program receive?

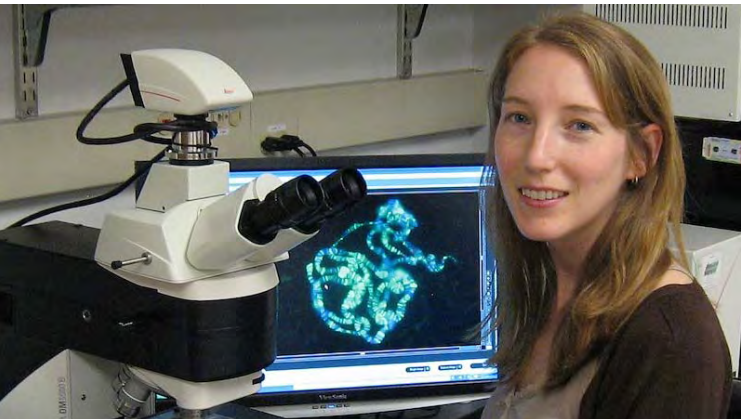
Students receive full support in their first year.

When are graduate applications due for your program?

December 1st.

Who can I contact for more information?

Teel Lopez, Graduate Program Coordinator
(831) 459-2385, tablack@ucsc.edu



KRISTEL DORIGI is an alumna of Molecular, Cell and Developmental Biology at UC Santa Cruz. Her thesis work focused on studying the role of chromatin-remodeling factors in transcription and development using the fruit fly as a model system. After receiving her Ph.D., Kristel is currently working as a postdoctoral researcher at Stanford University.

MCD Biology Research Clusters

Cell and Developmental Biology

- Needhi Bhalla** Meiotic Chromosome Dynamics
Barry Bowman Functions of ATPases in Active Transport
Lindsay Hinck Cellular Interactions During Organogenesis and Tumorigenesis
Doug Kellogg Control of Cell Cycle Events by Cyclin-dependent Kinase
Robert Ludwig Plant-microbe Interactions & Plant Gene Cloning
Amy Ralston Origins and regulation of mammalian stem cells
Michael Rexach Structure & Function of the Nuclear Pore Complex
Bill Saxton Cytoskeletal Motors and Active Transport Processes
Susan Strome Chromatin and RNA Regulation in *C. elegans*
Bill Sullivan Cell Cycle, Cytoskeleton, and Host-pathogen Interactions
Zhu Wang Prostate development and cancer, tissue stem cells
Yi Zuo Functions of glia at the synapses in the mammalian nervous system
Martha Zúñiga Cell Biology of Class I Histocompatibility Molecules

Chromosome Biology

- Needhi Bhalla** Meiotic Chromosome Dynamics
Hinrich Boeger Chromatin Structure and Gene Regulation
Grant Hartzog How Chromatin Influences Transcription
David Haussler HHMI Investigator. Computational Biology
Rohinton Kamakaka Transcriptional Silencing and Insulators
Susan Strome Chromatin and RNA Regulation in *C. elegans*
John Tamkun Chromatin Remodeling in *Drosophila* Development

Microbiology

- Robert Ludwig** Plant-microbe Interactions & Plant Gene Cloning
Karen Ottemann Environmental responses of pathogenic bacteria
Fitnat Yildiz Microbiology, molecular genetics, genomics; the mechanism of persistence of survival of *Vibrio cholerae*

Neurobiology

- Bin Chen** Mammalian Brain Development
Lindsay Hinck Cellular Interactions During Organogenesis and Tumorigenesis
David Feldheim Mammalian Brain Development
Yi Zuo Functions of glia at the synapses in the mammalian nervous system

RNA Molecular Biology

- The RNA cluster includes the internationally recognized Center for the Molecular Biology of RNA, supported by the W.M. Keck Foundation.**
Manuel Ares, Jr. Splicing & RNA Processing
Melissa Jurica Structure and Functional Analysis of Spliceosomes
Harry Noller Structure & Function of the Ribosome
Jeremy Sanford Genomic Analysis of Protein-RNA interactions
Bill Scott Crystallography & Mechanism of RNA Enzymes
Alan M. Zahler Exon Recognition & Alternative Splicing

