

**Tisha Bohr**  
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## EDUCATION

2010 - 2016 University of California Santa Cruz, Santa Cruz, CA  
Ph.D. Molecular, Cellular and Developmental Biology  
2006 - 2009 California State University Channel Islands, Camarillo, CA  
B.S. Biology with a minor in Chemistry, Cum Laude  
2002 - 2009 Santa Barbara City College, Santa Barbara, CA

## RESEARCH EXPERIENCE

2016-Present **Postdoctoral Associate**  
Dr. Carolyn Adler  
Department of Molecular Medicine, College of Veterinary Medicine, Cornell University  
Stem cell-driven organ regeneration in planarian flatworms

2010 - 2016 **Doctoral Dissertation**  
Dr. Needhi Bhalla  
Department of Molecular, Cell and Developmental Biology, University of California Santa Cruz  
Regulation of early prophase events and checkpoints in *C. elegans* meiosis

2009 **Undergraduate Research Fellow**  
Dr. Paula Murphy  
Department of Zoology, Trinity College Dublin  
Use of a conserved gene family, Sfrps, across embryos of vertebrate species

2007 - 2008 **Undergraduate Research Assistant**  
Dr. Charles Sackerson  
Department of Biology, California State University Channel Islands  
Regulation of *Drosophila even-skipped* and sea mammal myoglobin during development

## PUBLICATIONS

### Peer-Reviewed

1. **Bohr, T.**, Nelson, C.R., Giacopazzi, S. Lamelza, P. and Bhalla, N. (2018) Shugoshin is essential for meiotic prophase checkpoints in *C. elegans*. *Current Biology*. 28: 1-13.
2. Shiroor, D., **Bohr, T.**, and Adler, A. (2018) Chemical amputation and regeneration of the pharynx in the planarian *Schmidtea mediterranea*. *J. Vis. Exp.* 133: e57168. doi:10.3791/57168.
3. **Bohr, T.**, Ashley, G., Eggleston, E, Firestone, K. and Bhalla, N. (2016) Synaptonemal complex components are required for meiotic checkpoints in *C. elegans*. *Genetics*. 204: 987-997.
4. **Bohr, T.**, Nelson, C. R., Klee, E. and Bhalla, N. (2015) Spindle assembly checkpoint proteins regulate and monitor meiotic synapsis in *C. elegans*. *J. Cell Biol.* 211: 233-242.

### Other Publications

1. Barolo, S., **Bohr, T.**, Folk, J., Libarkin, J., McDowell, G. and McLaughlin, B. (2019) Defending harassers harms victims. *Science*. 363: 355.
2. Bohr, T. Gilmore, R. and Chong, J. (2018) CRPC members explain recommendation rationale. *The Cornell Daily Sun*.

**SCIENCE COMMUNICATION, OUTREACH & LEADERSHIP**Science Communication

- 2019 **Upcoming: Invited Panel Member on Science Communication**  
ComSciCon, Ithaca, NY
- 2018 **Talk on Opportunities in Science Communication**  
Math Communications Seminar, Cornell University
- 2017-Present **Science Communications Chair**  
Graduate Women in Science, Cornell University
- 2017-Present **Founder & Organizer of Public Science Seminar “Science on Tap!”**  
Ithaca, NY
- 2017-Present **Founder & Organizer**  
Science Communications Program for Grad Students and Postdocs, Cornell University

Outreach

- 2014 - 2016 **Outreach Coordinator**  
Women in Science & Engineering, UC Santa Cruz
- 2015 **Facilitator: Strawberry DNA Extraction Workshop**  
Santa Cruz Children’s Museum of Discovery, Capitola, CA
- 2015 **Career Week Speaker and Organizer**  
San Lorenzo Valley Elementary, Felton, CA
- 2014 **Science Fair Judge**  
Watsonville County Science Fair, Watsonville, CA
- 2014 **Science Fair Judge**  
Westlake Elementary School, Santa Cruz, CA
- 2013 **Lead Facilitator Microscope Activity**  
California State University Channel Islands Science Carnival, Camarillo, CA
- 2013 **Facilitator: Strawberry DNA Extraction Workshop**  
Expanding Your Horizons STEM Conference for Girls, Hartnell College, Salinas CA

Other Leadership

- 2017 - 2018 **Social Media and Volunteer Organizer**  
#MeTooSTEM Movement
- 2015 - 2016 **Co-Founder & Organizer**  
Diversity and Inclusion Certificate Program for Graduate Students, UC Santa Cruz
- 2015 - 2016 **Co-Founder & Organizer**  
STEM Active Learning Seminar, UC Santa Cruz

**PROFESSIONAL SERVICE**Councils & Committees

- 2019-Present Professional Development Committee, Cornell University
- 2017-Present Postdoc Committee Advisory Board, Cornell University
- 2017 - 2018 Consensual Relationship Policy Committee, Cornell University
- 2014 - 2016 Chancellors Diversity Advisory Council, UC Santa Cruz
- 2012 - 2013 MCDB Graduate Admissions Committee, UC Santa Cruz

Panels & Workshops

- 2018 Responsible Conduct of Research Symposium, Cornell University
- 2018 Advancing Chicanos/Hispanics & Native Americans City College Panel, Cornell University
- 2014 Demystifying Oral Exams, UC Santa Cruz

**CHAired MEETINGS**

- 2015 ASCB Bay Area Centromere and Chromosome Dynamics Meeting, Santa Cruz, CA

**GRANTS, FELLOWSHIPS AND AWARDS**Grants

- 2018 - 2019 Engaged Opportunity Grant, Cornell University  
 2011 - 2013 National Institutes of Health Pre-doctoral Training Grant, T32GM008646  
 2010 - 2011 Initiative for Maximizing Student Development Training Grant, R25GM058903  
 2007- 2009 National Science and Mathematics Access to Retain Talent (SMART) Grant

Fellowships

- 2009 Undergraduate Research Experience & Knowledge Award, Science Foundation of Ireland

Honors and Awards

- 2019 Cook Award for improving the climate for women, Cornell University  
 2018 Postdoc Achievement Award for Excellence in Leadership, Cornell University  
 2016 Chancellor's Achievement Award for Diversity, UC Santa Cruz  
 2015 Alumni Association's Graduate Service Award, UC Santa Cruz  
 2015 Marilyn C. and Raymond E. Davis Memorial Scholarship, UC Santa Cruz  
 2013 Genetics Society of America Poster Award, 19<sup>th</sup> International *C. elegans* Meeting

**PRESENTATIONS**

- 2018 Talk: International Planarian Meeting, Madison, WI  
 2018 Poster: Stem Cell Symposium, Ithaca, NY  
 2016 Poster: Bay Area Worm Meeting, San Jose, CA  
 2015 Talk: STEM Active Learning Seminar, Santa Cruz, CA  
 2015 Talk: 19<sup>th</sup> International *C. elegans* Meeting, Los Angeles, CA  
 2015 Talk: Bay Area Worm Meeting, San Francisco, CA  
 2015 Talk: Bay Area Centromere and Chromosome Dynamics Meeting, Santa Cruz, CA  
 2014 Poster: Gordon Research Conference, Meiosis, New London, NH  
 2014 Poster: Bay Area Worm Meeting, Palo Alto, CA  
 2013 Poster: 19<sup>th</sup> International *C. elegans* Meeting, Los Angeles, CA  
 2012 Poster: *C. elegans* Development, Cell Biology & Gene Expression Meeting, Madison, WI  
 2012 Talk: Bay Area Worm Meeting, Santa Cruz, CA

**PROFESSIONAL DEVELOPMENT**

- 2018 **Public Science Communications Workshop**  
 Cornell University  
 2018 **Building Mentorship Skills Certificate Program**  
 Center for the Integration of Research, Teaching and Learning, Cornell University  
 2017 - 2018 **Postdoc Leadership Certificate Program**  
 Cornell University  
 2015 **Diversity and Inclusion Certificate Program**  
 UC Santa Cruz  
 2015 **Image Processing and Analysis Workshop**  
 HHMI's Janelia Farm Advanced Imaging Center and UCSC Microscopy Center, UC Santa Cruz  
 2014 **Graduate Student Leadership Certificate Program**  
 UC Santa Cruz  
 2012 **Mentor Training Course**  
 STEM Diversity and CBSE Research Mentoring Institute Programs, UC Santa Cruz

**PROFESSIONAL SOCIETIES**

- 2017-Present American Association for the Advancement of Science  
 2017-Present Society for Developmental Biology

**MENTORING**

Undergraduates

- 2017-Present **Adler Lab Trainees:** Elif Magemizoglu, Allison Chang & Jackie Han  
Cornell University
- 2013 - 2016 **Bhalla Lab Trainees:** Erin Klee, Evan Eggleston, Kyra Firestone & Guin Ashley  
UC Santa Cruz

PhD Students

- 2017 & 2019 **Adler Lab Trainees:** Kayla Wilson, Jessica Willdigg, Meghan Rothstein & Tara Hall  
Cornell University
- 2012 & 2015 **Bhalla Lab Trainees:** Robert Sommer & Braden Larson  
UC Santa Cruz

**TEACHING EXPERIENCE**

Instructor

- 2016 **Upper Division Molecular Biology** (Bio 101)  
UC Santa Cruz
- 2015 **Lead Curriculum Designer & Facilitator: Meiosis Inquiry Activity**  
Howard Hughes Medical Institute Active Learning Initiative, UC Santa Cruz
- 2014 **Curriculum Designer & Facilitator: *Drosophila* Genetic Mapping Inquiry Activity**  
Maximizing Access to Research Careers, UC Santa Cruz

Guest Lecturer

- 2015 & 2016 **Intro Cell and Molecular Biology** (Bio 20A), UC Santa Cruz

Teaching Assistant

- 2017 **Neuronal Cell Biology Lab**, Marine Biological Laboratory, Woods Hole, MA
- 2015 **Genetics Lab** (BIO105L), UC Santa Cruz
- 2013 **Genetics Lecture** (BIOL105), UC Santa Cruz

Pedagogical Training

- 2017 **CIRTL Associate Certificate**  
Center for the Integration of Research, Teaching and Learning, Cornell University
- 2015 **Certificate in Teaching Innovative Laboratory Experiences**  
Institute for Science and Engineer Educators, UC Santa Cruz
- 2014 & 2015 **Professional Development Program Inquiry & Design Workshops**  
Institute for Science and Engineer Educators, Santa Cruz, CA
- 2014 **Statement of Accomplishment with Distinction:** Introduction to Evidence-Based Undergraduate STEM Teaching, CIRTL Online Course, Vanderbilt University