

## Michaelyn Hartmann, Ph.D.

hartma@bu.edu

Boston University · Department of Biology · 5 Cummington Mall, Boston, MA 02215

pronouns: she/her/hers

### Professional Experience

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Jan 2021 – present    Lecturer, Boston University, Department of Biology  
July 2019 – Jan 2021    Curriculum Fellow, Harvard Medical School, Department of Genetics

### Education

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2014-2019            Ph.D. in Genetics and Molecular Biology, University of North Carolina at Chapel Hill  
2010-2014            Bachelor of Science in Biology, Siena College  
                             Honors Fellow

### Teaching Experience

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#### Lecturer at Boston University

Spring 2021            BI203 Cell Biology  
Spring 2021            BI108 Biology 2

#### Adjunct Positions

Fall 2020              BIOL1101 Life on Earth Lab (undergraduate, non-majors, virtual), Emmanuel College  
Spring 2020            BIOL3040 Cell Biology (undergraduate), Boston College  
Spring 2018            General Biology II, lecture and two lab sections, Durham Technical Community College

#### Curriculum Fellow (Harvard Medical School)

Fall 2019, 2020        GEN201 Principles of Genetics (graduate)  
Spring 2019            GEN349 Current Tools for Gene Analysis (graduate)  
Fall 2019                Research bootcamp course for first year graduate students in the Program in Genetics and Genomics (graduate)  
Fall 2019                MicRoN Microscopy Nanocourse (graduate)  
Fall 2019                CRISPR Nanocourse (graduate)

#### Graduate Teaching Assistant (UNC)

Spring 2017            BIOL202 Molecular Biology and Genetics (undergraduate)  
Spring 2016            BIOL205 Cell and Developmental Biology (undergraduate)  
Fall 2015                BIOL425 Human Genetics (undergraduate)

### Training and Professional Development

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2019-2020            Curriculum Fellow Monthly Educational Workshops, Monthly Journal Clubs, Weekly Lab Meetings  
2020                    Society for the Advancement of Biology Education Research (SABER) Conference  
2020                    Diversity and Inclusion Summit, Boston College  
2019                    Teaching 100: The Theory and Science of Teaching, Harvard Medical School  
2019                    Mental Health First Aid Training  
2019                    Peer Learning Conference, Harvard Initiative for Learning and Teaching  
2019                    Associate Designation, Center for the Integration of Research, Teaching, and Learning (CIRTL)  
2019                    Safe Zone Training  
2019                    Special Topics in Education (EDUC 890), UNC  
2018                    Advanced Certificate TIBBS Teaching Series  
2018                    Teaching and Learning Conference, Durham Technical Community College  
2015                    College Science Teaching Class (BIOL810), UNC

## Workshops, Presentations, and Invited Lectures

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### Workshops

2020 CREATE-ively Incorporating Scientific Paper Reading In Your Class

### Guest Lectures

2018 GNET621 Principles of Genetic Analysis (graduate), 3 classes, Mosaicism and Epistasis

2017 BIOL425 Human Genetics (undergraduate), 2 classes, Meiosis and Meiotic Recombination

2016 BIOL205 Cell and Developmental Biology (undergraduate), *Drosophila* Embryo Development

2015 BIOL425 Human Genetics (undergraduate), Cancer Case Study

### Research Presentations

2019 Annual *Drosophila* Research Conference, Dallas, TX, Poster

2018 Gordon Research Conference, New London, NH, Poster

2018 Gordon Research Conference Seminar, New London, NH, Poster

2018 Triangle Fly Symposium, Duke University, Poster

2017 Triangle Fly Symposium, North Carolina State University, Poster

2016 The Allied Genetics Conference, Orlando, FL, Poster

2016 Gordon Conference, New London, NH, Poster

2016 Triangle Fly Symposium, University of North Carolina at Chapel Hill, Poster

2015 Structure Specific Endonucleases in Genomic Stability, Brno, Czech Republic, Poster

### Service

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2020 Advisory Committee for clinical genomics workshop and R25 grant application

2019-2020 Steering Committee for Program in Genetics and Genomics

2018 Planning Committee for TIBBS Summer Teaching Series

2015-2017 DNA Day Ambassador

2017 Intern for Smithsonian National Museum of Natural History Outreach and Education Office

2015-2019 Executive Board for DNA Day CONNECT Outreach Program

2015-2017 Genetics and Molecular Biology Steering Committee Graduate Student Representative

2015-2016 Head Coordinator Homeschool Student Experimenters

### Publications

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**M. Hartmann**, J. Umbanhowar, and J. Sekelsky. Centromere-proximal meiotic crossovers in *Drosophila melanogaster* are suppressed by both highly-repetitive heterochromatin and proximity to the centromere. *Genetics*. September 2019. doi: 10.1534/genetics.119.302509

**M. Hartmann**, K. Kohl, J. Sekelsky, and T. Hatkevich. Genetic analysis reveals novel roles for mei-MCMs during meiotic recombination in *Drosophila melanogaster*. *Genetics*. June 2019. doi: 10.1534/genetics.119.302221

**M. Hartmann**, and J. Sekelsky. Chromosome 4 in *Drosophila melanogaster*: Imperfection or interesting exception? *Fly*. April 2017. doi: 10.1080/19336934.2017.1321181

T. Hatkevich, K. Kohl, S. McMahan, **M. Hartmann**, A. Williams, and J. Sekelsky. Blm helicase promotes meiotic crossover patterning and homolog disjunction. *Current Biology*. January 2017. doi: 10.1016/j.cub.2016.10.055

### Honors and Awards

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2019 Frank Porter Graham National Honor Society

2016 National Science Foundation Graduate Research Science Fellowship Honorable Mention

2014 Thomas A. Whalen Biology Prize- Awarded to student who best exemplifies the investigative spirit of research and has demonstrated an enthusiastic engagement in the biological sciences.

2014 Phi Sigma Society, National Biology Honors Society

2010-2014 Presidential Scholarship Recipient, Siena College

2010-2014 BBL Construction Services Scholarship Recipient