

Jeremy Hollis

Fred Hutchinson Cancer Research Center
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RESEARCH EXPERIENCE

Graduate Researcher, Fred Hutchinson Cancer Research Center

Seattle, WA

Advisors: Dr. Melody Campbell, Dr. Harmit Malik

2021 – Present

- Research topics: Protein structure, evolution, mutational landscape, cryoEM, phylogenomics, protein biochemistry, cell membrane composition, receptor-ligand interactions

Research Technician, Northwestern University

Evanston, IL

Advisor: Dr. Sadie Wignall

2016 – 2020

- Research topics: DNA organization, chromosome biology, cell division, meiosis, crossover interference, recombination pathway, chromosome positioning, egg and sperm development, molecular motors

Undergraduate Researcher, Denison University

Granville, OH

Advisor: Dr. Geoffrey Smith

2014 – 2016

- Research topics: Substrate selection, predator-prey relationships, chemical cues, development and mobility, pond and stream health, ecology and evolution

EDUCATION

University of Washington

Seattle, WA

Ph.D. Molecular and Cellular Biology (in progress)

2020-Present

Denison University

Granville, OH

BA Biology, BA Theatre Summa Cum Laude

2012-2016

PUBLICATIONS

1. **Jeremy A. Hollis**, Marissa L. Glover, Aleesa J. Schlientz, Cori K. Cahoon, Bruce Bowerman, Sadie M. Wignall, Diana E. Libuda (2020). Excess crossovers impede faithful meiotic chromosome segregation in *C. elegans*. *PLoS Genetics* **16**:e1009001. doi:10.1371/journal.pgen.1009001
2. Geoffrey R. Smith, Jessica E. Rettig, Mallory Smyk, Maggie Jones, Genevieve Eng-Surowiac, Davit Mirshavili, and **Jeremy Hollis** (2018). Consumption of the eggs, hatchlings, and tadpoles of Green Frogs (*Lithobates clamitans*) by native and non-native predators. *Amphibia-Reptilia*. 1-5. 10.1163/15685381-20181071.
3. Jessica E. Rettig, Geoffrey R. Smith, Genevieve Eng-Surowiac, Davit Mirzashvili, Mallory Smyk, Maggie Jones and **Jeremy Hollis** (2018). Consumption of Invasive Western Mosquitofish Fry by Adult Conspecifics and Native Crayfish. *Northeastern Naturalist* **25**(1): 117-122.

PRESENTATIONS

2019 ASCB-EMBO annual meeting, Poster (Washington, DC)

2018 ASCB-EMBO annual meeting, Poster (San Diego, CA)

2016 Butler University Undergraduate Research Conference, Poster (Indianapolis, IN)

MENTORSHIP

2016-2020 Luke Liu, Junru Yan, Chloe Wong, Lab aides

2017 EePhie Tan, Visiting Scholar

2017 Hannah Horton, Rotation Graduate Student

TEACHING/OUTREACH/INVOLVEMENT

2020 MCB Graduate Program 25th anniversary alumni panel, poster session committees

2016 Teaching Assistant, Ecology and Evolution (Denison University)

AWARDS

2016 Distinguished Senior Research, Denison University

2014 Anderson Summer Scholars Program, Denison University

MEMBERSHIPS

2018-Present American Society for Cell Biology

2016-Present Phi Beta Kappa

REFERENCES

Melody Campbell, Ph.D. (graduate mentor)

Assistant Professor, Basic Sciences Division

Affiliate Investigator, Herbold Computational Biology Program, Public Health Sciences Division

Fred Hutchinson Cancer Research Center

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Harmit Malik, Ph.D. (graduate co-mentor)

HHMI Investigator

Professor and Associate Director, Basic Sciences Division

Fred Hutchinson Cancer Research Center

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Sadie Wignall, Ph.D. (tech mentor)

Associate Professor, Department of Molecular Biosciences

Northwestern University

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Geoff Smith, Ph.D. (undergraduate research mentor)

Professor, Department of Biology

Denison University

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Heather Rhodes, Ph.D. (undergraduate advisor)

Associate Professor, Department of Biology

Denison University

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