

# Timothy Barry

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## EDUCATION

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**Carnegie Mellon University**  
PhD in Statistics

2018 –

**University of Maryland, College Park**  
BS in Mathematics with high honors  
Minor in Computer Science

2014 – 2018

## HONORS AND AWARDS

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- Howard Hughes Medical Institute Fellowship 2017
- Maryland Summer Scholars Research Grant 2016
- Banneker-Key Scholarship, University of Maryland's most prestigious scholarship 2014

## COMPUTING

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- Languages: R, Python, C/C++
- Version control systems: Git/Github
- Operating systems: Unix

## TEACHING ASSISTANTSHIPS

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- Statistics 36-350: Statistical computing Fall 2018
- Statistics 36-469: Statistical genomics and high-dimensional inference Spring 2020

## SERVICE AND SCIENCE OUTREACH

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- Volunteer math, science, and English tutor to elementary and middle school students through UMD Lakeland STARS program. 2015 – 2018

## PAPERS

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- E Katsevich, **T Barry**, K Roeder. "Conditional resampling improves calibration and sensitivity in single-cell CRISPR screen analysis." Preprint on [bioRxiv](#). 2020

### Undergraduate

- **T Barry**\*, E Gurarie\*, F Cheraghi, I Kajola, W Fagan. "Does dispersal make the heart grow bolder? Avoidance of anthropogenic habitat elements across wolf life history." *Animal Behaviour* 166. \*Joint first authorship. 2020
- **T Barry**. "Collections in R: Review and Proposal." *The R Journal* 10.1. 2018

Updated January 2021.