

Laura Gunsalus
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Training and Education

- 2018 - **University of California, San Francisco**
Graduate Program in Biological and Medical Informatics
- 2013 - 17 **Carnegie Mellon University**
Bachelor of Science in Neuroscience, Minor in Computer Science

Awards and Fellowships

- 2020 NSF Graduate Research Fellowship Program Honorable Mention

Teaching

- 2020 Algorithms, Graduate Teaching Assistant, UCSF
2019 AI4All Volunteer Course Instructor, UCSF

Publications

1. Chuang, Kangway V., Laura Gunsalus, and Michael J. Keiser. 2020. "Learning Molecular Representations for Medicinal Chemistry." *Journal of Medicinal Chemistry*, May.
<https://doi.org/10.1021/acs.jmedchem.0c00385>.
2. Newberry, Robert W., Taylor Arhar, Jean Costello, George C. Hartoularos, Alison M. Maxwell, Zun Zar Chi Naing, Maureen Pittman, et al. 2020. "Robust Sequence Determinants of α -Synuclein Toxicity in Yeast Implicate Membrane Binding." *bioRxiv*.
<https://doi.org/10.1101/2020.05.01.072884>.
3. Ramamurthy, Easwaran, Gwyneth Welch, Jemmie Cheng, Yixin Yuan, Laura Gunsalus, David A. Bennett, Li-Huei Tsai, and Andreas Pfenning. 2020. "Cell Type-Specific Histone Acetylation Profiling of Alzheimer's Disease Subjects and Integration with Genetics." *bioRxiv*.
<https://doi.org/10.1101/2020.03.26.010330>.

Research Experience

- 2019 - **Keiser and Pollard Labs, University of California, San Francisco**
Graduate Student. Focus on building interpretable deep learning models of gene regulation.
- 2017 - 18 **Syros Pharmaceuticals, Cambridge, Massachusetts**
Computational Biology Research Associate. Analyzed high throughput sequencing assays to understand the impact of treatment on epigenetic markers and gene regulation.
- 2016 - 17 **Pfenning Lab, Carnegie Mellon University**
Undergraduate Research. Developed a computational pipeline to identify cell-type specific regulatory regions enriched for disease associated variants.

Community Service

- 2019 - Letters to a Pre-scientist, Scientist Penpal
2019 Lowell High School Science Outreach Instructor
2019 iPQB Bioinformatics and Statistics Bootcamp Instructor
2015 - 16 IMPULSE Undergraduate Neuroscience Journal, Associate Editor

