

Loran Gliford

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EDUCATION

Boston University Doctor of Philosophy, Molecular Biology, Cell Biology, and Biochemistry	Boston, MA Sept. 2022 - Present
University of Rhode Island Bachelor of Science, Cell and Molecular Biology Summa Cum Laude	Kingston, RI Sept. 2016 – May 2020

RESEARCH EXPERIENCE

Doctoral Thesis Research Boston University, Boston, MA Molecular Biology, Cell Biology, and Biochemistry Program Advisor: Erica D. Pratt, PhD	Sept. 2022 – Present
Post-Baccalaureate Cancer Research Training Award Fellow National Institutes of Health, Bethesda, MD National Cancer Institute Advisors: Beverly Mock, PhD; Munira Basrai, PhD	Aug. 2020 – May 2022
Undergraduate Research University of Rhode Island, Kingston, RI Cell and Molecular Biology Department Advisor: Jodi Camberg, PhD	Jan. 2019 – May 2020

TEACHING AND WORK EXPERIENCE

Graduate Teaching Fellow , Boston University Biology Department Biology 2 Laboratory (CAS BI 108)	Spring 2023
Laboratory Assistant , University of Rhode Island Anatomy and Physiology Laboratory	Oct. 2018 – May 2020
Undergraduate Teaching Assistant , University of Rhode Island Anatomy and Physiology Laboratory (BIO 244)	Fall 2018

SCHOLARSHIPS AND AWARDS

Synthetic Biology and Biotechnology NIH T32 Training Grant	2023 – 2025
Undergraduate Research Innovation Award	2020
Jerry M. & Evelyn L. Rhoads Memorial Endowed Scholarship	2018
Centennial Merit Scholar	2016 – 2020

POSTER PRESENTATIONS

- **Gliford L** Eltze M, Pratt ED. “Measuring Methyltransferase Activity using Cell-Deliverable Affinity Based Peptide Probes” in Gordon Research Conferences on Bioanalytical Sensors, Newport, RI, 2024.
- **Gliford L**, Nguyen JT, Matera-Vatnick M, Guin R, Labrador J, Mock B. “Elucidating TOR Complex Assembly through HEAT mutations of mTOR in Cancer” in National Institutes of Health Virtual Postbac Poster Day, Bethesda, MD, 2022 and in National Institutes of Health, Center for Cancer Research Fellows and Young Investigators Colloquium, Bethesda, MD, 2022
- **Gliford L**, Ohkuni K, Au WC, Basrai MA. “Cdc48 Segregase Removes Mislocalized Cse4 (CENP-A) from Non-Centromeric Chromatin” in National Institutes of Health Virtual Postbac Poster Day, Bethesda, MD, 2021

PUBLICATIONS

- Ohkuni K, **Gliford L**, Au WC, Suva E, Kaiser P, Basrai MA. Cdc48^{Ufd1/Npl4} segregase removes mislocalized centromeric histone H3 variant CENP-A from non-centromeric chromatin. *Nucleic Acids Res.* 2022 Apr 8;50(6):3276-3291. doi: 10.1093/nar/gkac135. PMID: 35234920; PMCID: PMC8989521.
- Eisenstatt JR, Ohkuni K, Au WC, Preston O, **Gliford L**, Suva E, Costanzo M, Boone C, Basrai MA. Reduced gene dosage of histone H4 prevents CENP-A mislocalization and chromosomal instability in *Saccharomyces cerevisiae*. *Genetics.* 2021 May 17;218(1):iyab033. doi: 10.1093/genetics/iyab033. PMID: 33751052; PMCID: PMC8128410.