Stanford

# Alison Barrett

Postdoctoral Scholar, Immunity Transplant Infection

Resume available Online

## Bio

### BIO

I'm an all-in-one biochemist, cell-culturist, and human-health enthusiast whose interests include therapeutics development, and tools for medical diagnostics.

I strive to maintain a healthy balance of breadth and depth in my areas of expertise, and have a strong affinity to interdisciplinary approaches. My background includes software development within the protein structure prediction module of the Rosetta software suite, design and initial development of cancer therapeutics, and basic research into understanding the mechanistic details of cell-cycle gene regulation.

My current research within the Tobias Lanz Lab aims to understand the role of certain targets of autoimmunity in Multiple Sclerosis and use this understanding to develop therapies and diagnostic aides.

### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Santa Cruz (2023)
- PhD, University of California, Santa Cruz , Chemistry (Biochemistry) (2023)
- BS, University of California, Santa Cruz , Biochemistry and Molecular Biology, Minor in Bioinformatics (2016)

### STANFORD ADVISORS

- Tobias Lanz, Postdoctoral Faculty Sponsor

## Publications

### PUBLICATIONS

- **HDAC activity is dispensable for repression of cell-cycle genes by DREAM and E2F:RB complexes.** *Nature communications*
  Barrett, A. K., Shingare, M. R., Rechtsteiner, A., Rodriguez, K. M., Le, Q. N., Wijeratne, T. U., Mitchell, C. E., Membreno, M. W., Rubin, S. M., Muller, G. A.
  2024; 15 (1): 4450