

Leo Epstein

PhD Candidate, BCB, University of Idaho

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EDUCATION

University of Idaho, Ph.D., candidate, BCB
Hampshire College, B.S. Evolutionary Biology

Expected 2021
2015

EMPLOYMENT

University of Pennsylvania

LAB TECHNICIAN : Lab of Junhyong Kim (Phila, PA) 2016:

Developed protocol that uses RNA expression to determine Copy Number Variation genotype in single cells. Used differential exon usage to investigate biology of cell phenotype type clustering

LAB TECHNICIAN : Lab of Harvey Rubin (Phila, PA) 2015:

Investigated evolution of NDH protein family across genus *Mycobacterium* to better understand Dormancy response of *M.tuberculosis*.

RESEARCH EXPERIENCE

Hampshire College

SENIOR THESIS

Advisors: Lynn Miller, Charles Ross

Title: Population dynamics within a prospective *Gryllus* hybrid zone

University of Pennsylvania

RESEARCH ASSISTANT : Lab of Jim Gee (Phila, PA), Summer 2014:

Worked on Quants project writing a program to screen out aberrant voxels in brain image datasets.

LAB TECHNICIAN : Lab of Harvey Rubin (Phila, PA), Summer 2011-2013:

Screened compounds for antibiotic effects on *M.smegmatis*. Generated kill curves and determined drug mechanism of action.

JUNIOR ASSISTANT : Lab of Harvey Rubin (Phila, PA), Summer 2008-2009:

Created a recombinant expression system of mycobacterial ATP synthase.

REFERENCES

Takahiro Yano, Junhyong Kim, Lynn Miller (contact information available upon request)