

Louis Patrick Watanabe | Curriculum Vitae

University of Alabama at Birmingham
Graduate Student (PhD)
1918 University Boulevard, Birmingham, AL, 35233
617-571-5391
lwatanab@uab.edu

Education:

PhD, Biology, University of Alabama at Birmingham, Present
Cumulative GPA: 4.0

B.S., Biology, Bates College, 2008
Concentrations: Physics, American Cultural Studies
Cumulative GPA: 3.0

Experience:

Teaching Assistant (ongoing)
University of Alabama at Birmingham
Course: Introductory Biology for Majors I (BY123L)
Course: Introductory Biology for Majors II (BY124L)
Coordinator: Alan Whitehead (Storm@uab.edu)

Research Assistant, 2011-2012
University of Massachusetts Medical School
Dr. Motojiro Yoshihara (motojiro@nict.go.jp)

Research Assistant, 2009-2010
Boston University
Dr. Takeo Watanabe (Takeo_Watanabe@Brown.edu)

Presentations:

Authors: Louis P Watanabe and Nicole C. Riddle (2014)
Title: Resource development for the study of chromatin proteins relevant to cancer prognosis and progression
Conference: UAB Comprehensive Cancer Center 17th Annual Research Retreat

Authors: Louis P Watanabe, Michael Falahat, and Nicole C. Riddle (2015)
Title: The impact of genetic background on exercise response
Conference: Darwin Day 2015

Authors: Louis P Watanabe, Maria De Luca, and Nicole C. Riddle (2015)
Title: The impact of genetic background on exercise response
Conference: The Annual Drosophila Research Conference 2015.

Publications:

1. Personalized Epigenetics (Tollefsbol, 2015), Chapter 2: Interindividual variability of DNA methylation, (pg.18-45), Watanabe LP and Riddle NC
2. Epigenetics and Dermatology (Lu et. al, 2015), Chapter 18: Epigenetics of Aging, (pg. 379-400), Saldanha SN and Watanabe LP

Grants and Fellowships:

GSA Travel Grant 2015 (\$400)
Department of Biology Travel Grant 2015 (\$400)
Department of Biology Travel Grant 2013 (\$400)

Awards and Honors:

Golden Key Honor Society (Inducted, 2014)

Other Activities:

Student member of the Genetics Society of America
Judge at the UAB Expo (2014)
Mentoring of Michael Falahat in the Riddle Lab (2014 - 2015)
Mentoring of Michael Azar in the Riddle Lab (2015 - Present)

Laboratory Techniques:

DNA preps
Protein Induction (IPTG and Autoinduction)
Handling of *Drosophila melanogaster*
Generation of recombinant proteins
Fertility Assays
Exercising *Drosophila melanogaster* via Treadwheel
Western Blots
Gel Electrophoresis
SDS-PAGE
Chromatin Immuno-precipitation
Transformations
Primer Design
Lowry-Assay
CAFÉ Assay
PCR

Skills and Qualifications:

Coding in html/PHP, Competent in statistical software (R, SAS)
Fluent in English and Japanese
Computer Building