Check with your advisor and department to determine the best format for your Curriculum Vitae.

Andrew H. Peters

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EDUCATION

Ph.D., Microbiology, University of Washington, Seattle, WA, expected December 2019
Thesis: Regulation of aerobic gene expression in *Escherichia coli*
Advisor: Thomas W. Advisor

B.S., Biology, University of Puget Sound, Tacoma, WA, June 2012

PUBLICATIONS

Refereed Journal Articles

Peters, A.H. and T.W. Advisor, 2017. Structures of the promoter and operator of the glpD gene encoding aerobic sn-glycerol 3-phosphate dehydrogenase of *Escherichia coli* K-12. J. Bacteriol. 45: 87-98

Advisor, T.W., **A.H. Peters**, A. Colleague, S. Colleague, B. Person. 2016. Purification and characterization of the repressor for the sn-glycerol phosphate regulation of *Escherichia coli* K-12. J Biol. Chem. 17:23-52.

Manuscripts in Preparation

Peters, A.H. and T.W. Advisor. Structure of the glp repressor and the determination of DNA binding domains. (in preparation).

Abstracts

Peters, A.H. and T.W. Advisor. 2017. Nucleotide sequence of the glpR gene encoding the repressor of the *Escherichia coli* K-12. Am. Society of Microbiology, Anaheim, CA.

Advisor, T.W., **A.H. Peters**, A. Colleague, S. Colleague, B. Person. 2016. Tandem operators control sn-glycerol 3-phostphae glp gene expression in *Escherichia coli*, Gorden Res. Con., Meriden, NH.

FELLOWSHIPS & AWARDS

2017 ASM Graduate Student Presentation Award

2014 National Institutes of Health Pre-doctoral Fellowship

2013 Department of Biology Fellowship

PRESENTATIONS

"Structure of the glp repressor and the determination of DNA binding domains," ASM Microbe, Chicago, IL, June 3-7, 2018

"Structures of the Promoter and Operator of the glpD Gene Encoding," ASM Microbe, New Orleans, LA, June 1-5, 2017

RESEARCH EXPERIENCE

Doctoral Research Fellow, Department of Biology, University of Washington, Seattle, WA
August 2015-present

Designed and conducted experiments for the purification and characterization of the repressor for the sn-glycerol phosphate regulation of *Escherichia coli* K-12. Identified structure of the glp repressor and determined DNA binding domains.

Pre-Doctoral Research Fellow, National institutes of Health, Poolesville, MD
August 2014-July 2015

Synthesized and purified hundreds of oligonucleotides. Synthesized DNA. Constructed a cosmid library from human blood DNA.

Research Assistant, Department of Biology, University of Washington, Seattle, WA
September 2013-August 2014

Performed protein bioassays ad prepared tissue cultures. Assisted with DNA preparations for DNA fingerprinting including isolating DNA and gel electrophoresis. Analyzed data.

TEACHING EXPERIENCE

Laboratory Instructor, Department of Biology, University of Washington
September 2015-June 2016

Primary lab instructor for 2 undergraduate introductory microbiology courses.

Teaching Assistant, Department of Biochemistry, University of Washington
September 2014-June 2015

TA for 3 undergraduate biochemistry classes. Advised students.

INDUSTRY RESEARCH EXPERIENCE

Biology Research Technician, ZymoGenetics, Inc., Seattle, WA
June 2012-August 2014

Participated in DNA fingerprinting project, digested genomic DNA with restriction enzymes, Separated digested DNA fragments by electrophoresis through agarose gels and transferred by Southern blotting technique. Prepared buffers, photographed gels, developed autoradiographs.

PROFESSIONAL AFFILIATIONS

American Society for Microbiology, 2013-present

Sigma Xi, the Scientific Research Society, 2011-present

SERVICE & CAMPUS INVOLVEMENT

Volunteer Poster Reviewer, Undergraduate Student Research Symposium, May 2018, 2017

Graduate Student Senate Representative, 2016-present

Chosen as a member of the Husky 100, 2018 cohort