

Curriculum Vitae for Science Position

A curriculum vitae (CV) is used by individuals applying for grants or fellowships, or when seeking an academic teaching or research position in a college or university. A "CV" may also be requested in application to graduate school, but undergraduate students will want to follow a resume format for application. For more examples of CVs, please visit <http://fccweb.ucdavis.edu/graduates>.

PAT A. SAMUEL

pasamuel@ucdavis.edu • www.linkedln.com/in/pa.samuel

Department of Bacteriology
University of California, Davis

2413 Main Street
Davis, California 95616
(530) 55x-xxxx

EDUCATION

Ph.D., Microbiology, University of California, Davis, Degree expected Spring 20xx
Dissertation: Analysis of the regulation of leucine biosynthesis by ppGpp in *Escherichia coli*
Advisor: Dr. Sara Smith

Master of Science, Microbiology, California State University, Long Beach, August 19xx
Thesis: Restriction endonuclease analysis of the satellite DNA component from two extremely halophilic bacteria
Advisor: Dr. Paul Jones

Bachelor of Science, Biological Sciences, University of California, Davis, June 19xx

AREAS OF SPECIALIZATION

(Optional)

RESEARCH EXPERIENCE

Doctoral Research, UC Davis, 6/xx - present

Conceived and optimized novel selection procedures using *leu::Mud::lac* fusions to isolate 1) Mutations in the leucine promoter, and 2) unlinked mutations that give rise to decreased expression of biosynthesis in *Escherichia coli*. Genetically mapped unlinked mutations. Future work involves analysis in an S-30 *in vitro* system and cloning of the mutants.
PI: Dr. Sara Smith, Department of Bacteriology

Masters Research, CSU Long Beach, 9/xx - 8/xx

Isolated and characterized the satellite DNA component from *Halobacterium* sp. by density gradient centrifugation and restriction endonuclease analysis.
PI: Dr. Paul Jones, Department of Microbiology

Research Assistant, Veteran's Administration Medical Center, Long Beach, 9/xx - 9/xx
Collected, maintained and statistically evaluated data for ongoing studies including drug evaluations, immunological studies, iron therapy studies and studies on long-term dialysis patient care.
PI: Dr. Khosrow Mirahmadi, Medical Hemodialysis

TEACHING EXPERIENCE

Associate Instructor, Bacteriological Techniques Laboratory, UC Davis, 9/xx - 12/xx
Lectured on and demonstrated new techniques. Graded laboratory write-ups.
Dr. William Wolff, Department of Microbiology

RESEARCH GRANTS

Co-authored proposal for National Institutes of Health (NIH). Funded \$65,000. (Principal Investigator: Don Pruitt, Ph.D.)

PUBLICATIONS

Smith, S., and P. A. Samuel. 19xx. Use of M13mp phages to study gene regulation, structure and function: cloning and recombinational analysis of genes of the *E. coli* leucine operon. *J. Bact.* 26: 147

Samuel, P. A. 19xx. Bacteriological Projects for Biological Sciences 1 Students. (*In-house publication*)

ABSTRACTS AND PRESENTATIONS

Samuel, P. A., and S. Smith. Use of *leu::lac* fusions to isolate leucine operon regulatory mutations in *Escherichia coli*. Presented at the 19xx Annual Meeting of the American Society for Microbiology.

ACADEMIC SERVICE

Chairperson, Microbiology Graduate Student Association, UC Davis (20xx - present)
Student Representative, Board of Admissions and Relations with Schools, Subcommittee on Research (20xx - 20xx)

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science (AAAS)
American Society for Microbiology (ASM)

HONORS

Recipient, Outstanding Graduate Student Teaching Award, UC Davis, May 20xx.

REFERENCES

Sara Smith, Ph.D.
Department of Microbiology, University of California, One Shields Ave.,
Davis, CA 95616
ssmith@ucdavis.edu
530-75x-xxxx

Don Pruitt, Ph.D.
Department of Microbiology, University of California, One Shields Ave.,
Davis, CA 95616
dpruit@ucdavis.edu
530-75x-xxxx

Paul Jones, Ph.D.
Department of Biology, California State University, 123 University Ave.,
Long Beach, CA 92222
pjones@ucdavis.edu
530-75x-xxxx

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