

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 information on CVs, please visit icc.ucdavis.edu/materials/resume/cv/index.htm.

GUADALUPE DIAZ-ORTIZ, Ph.D.

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EDUCATION

Ph.D., Microbiology, University of California, Riverside. December 2015
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 2006
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 2003

AREAS OF SPECIALIZATION/AREAS OF RESEARCH INTEREST

(Optional)

RESEARCH EXPERIENCE

University of California, Davis, January 2016-Present

Postdoctoral Scholar

Utilize immunohistology techniques to determine down regulation of Paneth cells in small intestine of mice infected with wild-type *Salmonella* (ST).
PI: Dr. Judy Porter, Department of Immunology

Doctoral Research, UC Davis, September 2006 - December 2015

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, September 2004 - August 2006

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, July 2003 - August 2004

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

PUBLICATIONS

Smith, S., and **Diaz-Ortiz, G.** 2015. 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

Diaz-Ortiz, G. 2014. 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.

TEACHING EXPERIENCE

Associate Instructor, Bacteriological Techniques Laboratory, UC Davis, September 2003 - December 2003

Lectured upper division undergraduate class of 45 students; demonstrated new molecular techniques. Evaluated laboratory write-ups, graded exam and provide online course materials.
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.)

ACADEMIC SERVICE

Chairperson, Postdoctoral Scholars Association, UC Davis, January 2015 - Present

Chairperson, Microbiology Graduate Student Association, UC Riverside (2006 - 2014)

Student Representative, Board of Admissions and Relations with Schools, Subcommittee on Research (2008 - 2012)

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science (AAAS)

American Society for Microbiology (ASM)

HONORS

Recipient, Outstanding Graduate Student Teaching Award, UC Riverside, May 2015.

REFERENCES

Sara Smith, Ph.D. ssmith@ucr.edu
Department of Microbiology, University of California, 900 University Ave.,
Riverside, CA 92521 (951) 555-8783

Don Pruitt, Ph.D. dpruitt@ucr.edu
Department of Microbiology, University of California, 900 University Ave.,
Riverside, CA 92521 (951) 555-5453

Paul Jones, Ph.D. pjones@csulb.edu
Department of Biology, California State University, 1250 Bellflower Blvd.,
Long Beach, CA 90840 (562) 555-4111

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