

NAME
Address
Email
Phone

CURRENT POSITION

IRACDA Postdoctoral Fellow, Laboratory of Dr. Name
Department of Microbiology, University of Pennsylvania School of Medicine 20XX-present

EDUCATION

Ph.D. Department of Oncological Sciences, Huntsman Cancer Institute, University of Utah 20XX
Dissertation: Title

B.A. Molecular, Cellular, and Developmental Biology 20XX
University of California, Santa Cruz

SCHOLARSHIPS AND FELLOWSHIPS

PennPORT (IRACDA) Postdoctoral Fellow, University of Pennsylvania 20XX – present
NIH Genetics Training Grant, University of Utah 20XX – 20XX
Regents Scholar, University of California, Santa Cruz 20XX – 20XX

TEACHING EXPERIENCE

PennPORT Program Teaching

Molecular Basis of Human Disease, Lincoln University, PA and Rutgers University-Camden, NJ Spring 20XX
Co-organized team-designed and team-taught course designed to help students make molecular research connections to human diseases. Implemented traditional lectures, discussion-based lectures, and problem-based learning. Students presented posters based on scientific literature detailing the molecular basis of a human disease of their choosing.

General Biology I, Rutgers University-Camden, NJ Fall 20XX
Co-taught Introductory Biology in a large class format (~200 students) to biology majors and pre-nursing students. Utilized backwards course design, traditional lecturing and “clicker” technology to evaluate both student learning and teaching effectiveness.

Guest Lecturer, Virology, Ursinus College, Collegeville, PA Spring 20XX
Prepared and delivered lecture on Bunyaviruses.

Guest Lecturer, General Biology II, Rutgers University-Camden, NJ Spring 20XX
Prepared and delivered two lectures on human development, designed accompanying study guides and test questions.

University of Utah Teaching

Teaching Assistant, Advanced Cell Biology Laboratory, University of Utah Fall 20XX
Assisted professor with lab and exercise preparation for undergraduate advanced laboratory class. Prepared reagents and equipment before each class, assisted students with laboratory techniques, and answered questions regarding syllabus material and homework.

Teaching Assistant, Summer Research Opportunities Program (SROP), University of Utah Summer 20XX
Instructed an introductory laboratory class for this summer research program designed to give underrepresented minority undergraduates an opportunity to participate in research and encourage them to consider graduate studies. Responsibilities included lecturing, assisting students with daily lab experiments and questions, preparing and grading quizzes.

ADDITIONAL COURSEWORK AND TRAINING

Bioinformatics and Molecular Visualization Curriculum Workshop University of Tennessee, Knoxville	June 20XX
College and University Teaching Seminar , University of Pennsylvania Instructor: Name, Ph.D. Coursework emphasis included: academia and scholarship, student learning, diversity in higher education, teaching within diverse contexts, creating a syllabus, grading, technology, and student and faculty evaluations	Spring 20XX
IRACDA Teaching Conferences Boston University, Boston, MA University of San Francisco, San Francisco, CA University of North Carolina, Chapel Hill	June 20XX June 20XX June 20XX
The Art of Award Winning Poster Presentations , University of Pennsylvania Instructor: Name	May 20XX
Presentation and Public Speaking Skills , University of Pennsylvania Instructor: Name	April 20XX

RESEARCH EXPERIENCE

Postdoctoral Fellow, Laboratory of Dr. Name 20XX – present
Department of Microbiology, University of Pennsylvania School of Medicine

Research focuses on elucidating the mechanism of *Hantavirus* entry into host cells. These viruses can result in two highly pathogenic diseases, hemorrhagic fever with renal syndrome (HFRS) and Hantavirus pulmonary syndrome (HPS). My goal is to characterize the domain-specific requirements of the surface glycoproteins, G_N and G_C through in-vitro binding and pseudovirion assays. These methods allow me to specifically address the role of the viral glycoproteins in host cell entry. Further, these techniques are amenable to primarily undergraduate institutions.

Graduate student, Laboratory of Dr. Name 20XX – 20XX
Huntsman Cancer Institute, University of Utah

Employed biochemical, molecular, and cell biological techniques to characterize domain-specific function of the nuclear pore protein, Nup153. Examined the interaction between the zinc finger domain of Nup153 and the small GTPase Ran and discovered this interaction is dependent on a three amino acid signature motif on the surface of a single zinc finger. Interestingly, the zinc finger module exhibited similar affinities for GDP- and GTP-bound Ran, despite the two distinct nucleotide-dependent conformations for this protein. This research has laid the groundwork for understanding how this domain interacts with other partner proteins, and potentially regulates function throughout the cell cycle.

Molecular Biology Technician 20XX – 20XX
Agilent Technologies (formerly Hewlett-Packard Laboratories), Palo Alto, CA
Supervisor: Dr. Name and Dr. Name

Contributed to the development of an oligonucleotide microarray and analysis package. Analyzed quality of arrays by hybridizing fluorescently and radioactively labeled oligonucleotides to chips, detecting hybridization by intensity scanning, and analyzing and comparing data using various analyses software.

Research Intern, Laboratory of Dr. Name Summer 20XX
The Leadership Alliance Summer Research Program, Brown University

Contributed to the genetic mapping of the region containing the gene for Cartilage Hair Hypoplasia. Yeast Artificial Chromosomes (YACs) were mapped against known STS markers to the region of Chromosome 9p13 using PCR and chromosome walking techniques.

PUBLICATIONS**Peer-reviewed Publications**

Name, Name, Name, and Name. Characterization of hantavirus glycoprotein-mediated host cell entry and sera neutralization with hantavirus pseudovirions. (*In preparation*)

Name, Name, Name, and Name. 20XX. Nup153. *UCSD-Nature Molecule Pages*. (doi:10.1038/mp.a003702.01).

Name, Name, Name, and Name. 20XX. Molecular characterization of the Ran-binding zinc finger domain of Nup153. *Journal of Biological Chemistry* 282: 17090-17100.

Name, Name, Name, and Name. 20XX. Studying nuclear disassembly in vitro using *Xenopus* egg extract. *Methods* 39: 294-290.

Additional Publications

Name. Lessons Learned from a Virus with No Name. 20XX. *Winds of Change* 25(2): 72.

Name. A Mentor in the Making, or How to Become a Good Professor. 20XX. *SACNAS News* 11(1): 18-19.

SELECTED INVITED PRESENTATIONS

“Characterization and sera neutralization of Hantavirus pseudotypes” VIII International Conference on HFRS, HPS, and Hantaviruses, Athens, Greece	05/20XX
“Characterization of the Ran-binding zinc finger domain of Nup153” Rutgers-Camden University, Camden, NJ	02/20XX
“Characterization of the Ran-binding zinc finger domain of Nup153” SACNAS National Conference, Tampa, FL	10/20XX
“Nuclear pore proteins and Golgi machinery: a concerted effort to regulate the cell cycle” University of California, Santa Cruz	11/20XX
“Summer Research Opportunity Programs” University of California, Santa Cruz	11/20XX
“Graduate Student Life” Summer Research Opportunities Program at the University of Utah	07/20XX
“Keys to Success and Survival in Graduate School” and “Life Sciences” Annual California Forum for Diversity in Graduate Education	04/20XX & 04/20XX
“The Human Genome: Mapping New Markers to a Physical Contig of Chromosome 9p13” Presented at the Summer Research Programs at Brown University, Providence, RI and the Leadership Alliance Summer Undergraduate Research Symposium, New York University, New York, NY	07/20XX

POSTER ABSTRACTS

Name, Name, Name, and Name. “Assessment of hantavirus sera neutralization using glycoproteins pseudotyped onto a Vesicular Stomatitis Virus core,” American Society for Virology Conference, Vancouver, B.C., July 20XX.

Name, Name, Name, and Name. “Molecular Basis of Human Disease: a seminar course introducing biomedical research to students at minority-serving institutions,” IRACDA Conference, San Francisco, CA., June 20XX.

Name, Name, Name, and Name. “Characterization of Puumala and Sin Nombre Virus entry using a pseudovirion system,” IRACDA Conference, Chapel Hill, N.C., June 20XX.

Name, Name, Name, and Name. “Analysis of Puumala and Sin Nombre virus entry using a pseudovirion system,” Keystone Symposium on the Cell Biology of Virus Entry, Replication, and Pathogenesis, Victoria, B.C., April 20XX.

Name, Name, Name, and Name. “Molecular characterization of the Ran-binding zinc finger domain of Nup153,” American Society for Cell Biology Annual Meeting, San Diego, CA., December 20XX.

Name, Name, Name, and Name. “Characterizing the regulation of nuclear envelope breakdown at mitosis by nuclear pore proteins,” American Society for Cell Biology Annual Meeting, Washington, D.C., December 20XX.

Name, Name, Name, and Name. “Golgi machinery functions in nuclear envelope breakdown and is recruited by the nucleoporin Nup153,” Keystone Symposia on the Golgi Apparatus and Secretory Pathway of Eukaryotic Cells, Breckenridge, CO., January 20XX.

Name, Name, Name, and Name. “The Human Genome: Mapping New Markers to a Physical Contig of Chromosome 9p13,” American Society for Cell Biology Annual Meeting, Washington, D.C., December 20XX.

AWARDS AND HONORS

Keystone Symposia Minority Travel Scholarship	20XX, 20XX
American Society for Cell Biology Minority Affairs Committee and Predoctoral Travel Grants	20XX
Leadership Alliance GRE Preparatory Program Scholarship	20XX
Academic Excellence Honors Program (ACE), University of California, Santa Cruz	20XX – 20XX

LEADERSHIP AND COMMUNITY INVOLVEMENT

Society for the Advancement of Chicanos and Native Americans in the Sciences (SACNAS)

Postdoctoral Committee Chair (20XX – present); Postdoctoral Committee Member (20XX – present);
Conference Program Committee Member (20XX – present); SACNAS Conference Session organizer (20XX – present);
Leadership Training Program 10/20XX

Biomedical Postdoctoral Council , University of Pennsylvania School of Medicine	20XX – present
Diversity Committee Chair	20XX – 20XX

Volunteer science mentor with iPRAXIS , Belmont Charter and Blankenburg Middle Schools	20XX – present
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Student Advisory Committee Representative , Dept. of Oncological Sciences, University of Utah	20XX – 20XX
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Graduate Student Representative , Molecular Biology Program, University of Utah	20XX – 20XX
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Graduate Information Programs Advisor , Educational Opportunity Program University of California, Santa Cruz	20XX – 20XX
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Volunteer, Genetic Science Learning Center , University of Utah	20XX – 20XX
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MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Society for Virology (20XX – present); Society for the Advancement of Chicanos and Native Americans in the Sciences (SACNAS) (20XX – present); The Leadership Alliance (20XX – present); American Society for Cell Biology (20XX – 20XX)