

LEAD SCIENTIST

Summary

Seven years of experience in performing experiments in the field of cellular and molecular biology by optimizing and executing cell proliferation assays, cell imaging techniques, flow cytometry and immunostaining assays, resulting in the NIH grant renewal, five international presentations, and three publications *Five years of experience in creatively designing and optimizing the protocols such as DNA/RNA purification, ChIP, qPCR and sequencing library preparations using cell culture and primary human oral cancer samples, resulting in one NIH grant, three international presentations, and one publication under preparation *Passionate and driven project manager with seven years of experience in independently executing moderate to high complexity experiments, maintaining laboratory records and collaborating with a multicultural team, resulting in one publication (submitted), five international collaborations and four international presentations

Highlights

- Western blotting
- Expert in data analysis
- Leader in data presentation
- Experimental design
- Immunofluorescence assay expertise

Accomplishments

- Illinois State University, Normal, IL.
- Independently managed a pilot research project to study the genetics of multiple drug resistance in *S. aureus* leading to a successful scientific publication.
- Published Master's Thesis, co-authored one journal article, secured Phi Sigma Weigel Grant and presented talks in research seminars.
- Designed scientific protocols and lab manuals, provided instructions, graded assignments for the successful completion of coursework for three classes of 24 students each for the period of two years.

Experience

Lead Scientist 12/2012 - 1/4 Current

- Herpesvirus Recombinant Core Laboratory.
- Managed day to day operations of the core laboratory, including ordering supplies, maintenance of records, development of standard operating procedures and protocols, distributions of reagents, asset and inventory management for the smooth functioning of the laboratory.
- Trained five junior scientists and two senior researchers in the techniques such as BAC mutagenesis, lab safety, Taqman qPCR, SYBR green qPCR leading to completion of their honors thesis and generation of new experimental data for two publications and four international presentations.
- Managed successful collaborations in a multicultural team to create 15 KSHV/HHV8 bacmid mutants using targeted mutagenesis and developed producer cell lines for distributing the reagents among national and international stakeholders.

Doctoral Researcher 08/2010 - 1/4 Current Catalent Pharma Solutions, Inc. Arizona , LA

- Devised the strategies for performing Chromatin Immunoprecipitation (ChIP) on primary human oral cancer samples for library construction and Illumina sequencing that led to grant funding of \$223,587 from NIH (NIDCR) to Renne lab, three presentations at international conferences and one publication under preparation.
- Spearheaded and performed techniques such as metaphase spread, fluorescent in situ hybridization, immunofluorescence analysis, flow cytometry and cell sorting to generate the data and results presented in an invited short talk at Keystone Symposium-Viruses and Human Cancer-2015 and one publication under preparation.
- Served as Vice President of UF Graduate Student Council (represent >16,000 students) and Mayors' Council (represent 3000 student residents), and successfully supervised diverse teams to create 15 academic events and programs and oversaw a budget of \$200,000.

Research and Teaching Associate 08/2008 - 1/4 05/2010

Education

2016 Ph.D : University of Florida - Medical Science (Genetics) Medical Science (Genetics)

2010 Certification in Project Management : Illinois State University

2010 MS : Illinois State University - Biology (Biotechnology) Biology (Biotechnology)

2004 B.S : Devi Ahilya University - Biotechnology India Biotechnology

Interests

Reading, Listening Music and watching American Football Technical Skills

Additional Information

- Awards, Honors, and Leadership Roles Elected Mayor (2011-13), President (2014-15) and Vice President (2014-15) of UF Mayors' Council and UF Graduate Student Council (GSC) Awarded IDP travel grants for presenting at IHW 2013 and Keystone Symposium 2015 Recipient of UF-Presidential Service Award-2015 Received UF Office of Research travel grant for Keystone Symposium 2015 Awarded Graduate Student Council (GSC) travel grants for IHW 2013 and KSHV 2015 Recipient UF-GFH Multicultural Student Award-2013 Inducted as International Honorary Leaders in University Apartment Communities (IHLUAC)-2012 Recipient of IDP-International Travel Award 2010 Received merit-based fee waiver for undergraduate studies 2001-2004 Hobbies Reading, Listening Music and watching American Football Technical Skills

Skills

academic, budget, Cancer, oral, conferences, Council, inventory management, presentations, producer, Project Management, protocols, publications, publication, safety, sorting, Symposium