

Samer Metri

63211 Arroyo Dr. / Irvine, CA 92617 / (858) 776-5542 / smetri@uci.edu
www.linkedin.com/in/smetri / www.samermetri.com

EDUCATION

University of California, Irvine

Bachelor of Science, Biology

Specialization in Genetics

GPA: 3.75 / 4.0

Honors: Dean's Honors List (5 Quarters)

Irvine, California

Expected Graduation: June 2018

RESEARCH EXPERIENCE

Sue and Bill Gross Stem Cell Research Center

Undergraduate Research Assistant

Irvine, California

October 2016 - Present

- Collected, analyzed and imaged mouse squamous cell carcinoma tumors to determine the clonal contribution of stem-like cells using a rainbow reporter construct and fluorescent microscopy
- Performed cryostat sectioning and immunohistochemistry staining to verify the presence of proteins and gene markers and consulted with a pathologist to correctly identify different types of squamous cell carcinoma tumors
- Enhanced and edited fluorescence microscopy images to create publication quality figures

AntiCancer, Inc.

Research Intern

Irvine, California

May 2016 – September 2016

- Analyzed the effect of vitamin C on the rate of tumor metastasis following invasive surgery after mice injection with human tumor cells and compared it with a control group to quantify the results
- Cultured and prepared human cancer cells to prepare for mice injection and performed autopsies on surgical fatalities to examine the cause of death and minimize the rate of future surgical complications

Esser-Khan Laboratory

Undergraduate Research Assistant

Irvine, California

October 2015 – June 2016

- Conducted chemical reactions and imaged the results in order to determine the best concentration and flow rate needed in order to achieve optimal growth and etching in Polydimethylsiloxane polymers
- Imaged polymers and obtained measurements before and after experimental runs to analyze the results and fine tune the setup in future experimental runs to obtain more accurate and precise data

WORK EXPERIENCE

UC Irvine, Office of Information and Technology

Senior Network Consultant

Irvine, California

January 2015 – Present

- One of two lead programmers tasked with creating and maintaining one of the help desk's most used tools
- Supervise day-to-day tasks of student employees, including hiring and scheduling of student staff and arrange internal documentation to train both student and full time staff in network troubleshooting

Taza Systems

Software Developer

San Diego, California

May 2014 – September 2014

- Designed and developed a web application used to help with the automation of real estate inspection portfolios
- Worked with customer support to help guide customers through using different products, as well as receive bug complaints and feature requests in order to improve the application for future use

SKILLS

Laboratory Skills: Zeiss Fluorescence Microscope; Nikon Ti-E Inverted Microscope; Image Acquisition Pro; Cryostat sectioning; Cell culturing; Mice injections; Basic mice surgical procedures

Technical Skills: Microsoft Excel; Image J; Adobe Photoshop; Adobe Illustrator

Programming Languages: R; Python; JavaScript; C-Sharp; Visual Basic; HTML; CSS

INVOLVEMENT

Senior Research Project, Department of Physical Medicine & Rehabilitation

UC Irvine, Undergraduate Research Opportunities Program

January 2017 – Present

Irvine, California

- Aiming to create a prototype device, as well as the accompanying computer application, for mechanically measuring the breathing of unconscious rats to correctly determine the time of death