

**Savannah Sanchez**

sanchez.s.elizabeth@gmail.com

**EDUCATION**

*Masters of Science Candidate, Microbiology*  
San Diego State University

July 2013 *Hopkins Microbiology*  
*Course*  
Stanford University

June 2009 *Bachelor of Science,*  
*Microbiology*  
University of California, San Diego

May 2007 *Associate in Arts, University Transfer*  
*Studies*  
Grossmont-Cuyamaca College

**PROFESSIONAL EXPERIENCE**

*Lab Manager (Forest Rohwer Lab) (Aug. 2012 – Current Date)*

SDSU Research Foundation  
San Diego, CA

- Operational duties: Ordering, maintenance of lab equipment and budget, organization of meetings and trainings
- Training duties: Biannual lab safety training, fundamental lab procedures and handling of common equipment
- Mentoring duties: Of incoming PhD, MS and UG students in techniques pertaining to microbiology, solutions and media preparations, and general metabolic theory

April 2011 – Aug. 2012 *Research*  
*Assistant*  
SDSU Research Foundation, San Diego, CA

- Experimental work focusing on the fabrication of personalized *Biolog* plates.
- Experimental work investigating isolation methods for microbes associated with the Cystic Fibrosis lung environment.

Aug. 2009 – Aug. 2010 *Toxicology Lab*  
*Technician*  
Phamatech, Inc., San Diego, CA

- Chemical extraction of toxins from biological samples for gas chromatography and mass spectrometry analysis.
- Preliminary screening of biological samples for presence of toxins via ELISA methods.

Sept. 2005 – Feb. 2006 *Media Technician*  
 Kay Laboratory  
 La Jolla, CA

- Preparation of molecular grade reagents and bacterial growth media.
- Culturing of bacteria for glycerol stocks and competent cells.
- Calibration and maintenance of common lab equipment.

## TEACHING EXPERIENCE

Aug. 2012 – Dec. 2012 *Advanced Molecular Biology Techniques*  
 San Diego State University  
 San Diego, Ca

## PRESENTATIONS AND PUBLICATIONS

Phage Phenomics: Characterization of Novel Viral Auxiliary Metabolic Genes

- Poster presented at San Diego State University CMB Symposium, San Diego Ca 2014

Mining the Great Unknown: Screening and Characterization of Novel Bacteriophage Proteins

Savannah E. Sanchez\*, Jason Rostron, Daniel Cuevas, Tiffany Y. Liang, Anca Segall, Rob Edwards, Forest Rohwer

- Oral presentation at San Diego State University Student Research Symposium, San Diego CA 2014

Shedding Light on the Metabolic Effects of Unknown Viral Genes

Jason Rostron\*, Savannah Sanchez\*, Daniel Cuevas\*, Tiff Yujing Liang, Victor Seguritan, Robert Edwards, Forest Rohwer, Anca Segall

- Poster presented at the Analytical Genetics Meeting by Jason Rostron, Alta UT 2014

Biomass Based Phenomic Approach for Identification of Novel Viral Proteins

Savannah E. Sanchez\*, Jason Rostron, Daniel Cuevas, Daniel Garza, Jeremy Frank, Tiffany Y. Liang, Anca Segall, Rob Edwards, Forest Rohwer

- Poster presented at San Diego State University Student Research Symposium, San Diego CA 2013

Dutilh, Bas E., Cassman, N., McNair, K. Sanchez, SE, et al., 2014. A highly abundant bacteriophage discovered in the unknown sequences of human faecal metagenomics. Nature.com

Cuevas DA, Garza D, Sanchez S, et al., Manuscript in prep. Biomass growth curves for large-scale phenotype profiling and applications.

Sanchez, SA, Rostron, J., Cuevas, DA, et al., Manuscript in prep. Phage phenomics: Physiological approaches to characterize novel viral proteins