

Ryan Guillemette

PhD Candidate

rpguille@ucsd.edu

EDUCATION

PhD. Anticipated 2017. Marine Biology

Scripps Institution of Oceanography, University of California, San Diego

Advisor: Dr. Farooq Azam

B.S. May, 2009. Biology & Ecology. University of Maine, Orono

Advanced Bacterial Genetics course participant, Cold Spring Harbor, New York, June 2017

PROFESSIONAL EXPERIENCE

Scripps Institution of Oceanography, University of California, San Diego

Graduate Student Researcher, Marine Biology Research Division, 2012 – Present

Research Intern, Marine Biology Research Division, Jan. 2012 – June 2012

Harvard Medical School, Boston, Massachusetts

Visiting Graduate Student (ongoing collaboration), Dr. John Mekalanos, Oct. 2015

University of California, San Diego

Research Associate, Div. of Biological Sciences, Dr. Jose Pruneda-Paz, 2011 – 2012

Research Associate, Div. of Biological Sciences, Dr. Elina Zuniga, Summer 2011

Scripps Memorial Hospital, San Diego, California

Research Associate, Dr. Thomas Chippendale MD/PhD, Jan. 2011 – May 2011

The Jackson Laboratory; Maine Institute of Human Genetics & Health, Maine

Research Assistant, Dr. Xijie Yu MD/PhD, Dec. 2009 – Nov. 2010

University of Maine, Orono

Research Assistant, School of Biology & Ecology, Dr. Andrei Alyokhin, Summer 2008

Research Assistant, School of Biology & Ecology, Dr. Stellos Tavantzis, Fall 2008

TEACHING EXPERIENCE

- *Guest Lecturer*, Marine Biology, Scripps Institution of Oceanography, Winter 2015
- *Guest Lab Assistant*, Marine Biology, Scripps Institution of Oceanography, Winter 2014
- *Guest Lecturer*, Junipero Serra High School (11 & 12th Grade), Spring 2013

UNDERGRADUATE RESEARCH MENTOR

- Nicholas Lee, University of California, San Diego, March 2017 – Present
- Jasmine Tan, University of California, San Diego, Oct. 2014 – June 2016

FIELD RESEARCH

- North Pacific (April, 2015) R/V Sproul. Chief Scientist: Dr. Uwe Send (1 day)
- Smithsonian Tropical Research Institute, Bocas del Toro, Panama, Fall 2014 (30 days)
- Smithsonian Tropical Research Institute, Bocas del Toro, Panama, Fall 2013 (30 days)

PUBLICATIONS

- **Guillemette, R.**, Kaneko, R., Blanton, J., Tan, J., Witt, M., Hamilton, S., Medina, M., Hamasaki, K., Koch, B.P., Azam, F. Marine microbes dramatically transform and rapidly turnover coral mass-spawned organic matter in a microcosm study. Submitted
- Nakajima, R., Tanaka, Y., **Guillemette, R.**, Kurihara, H. 2017. Effects of coral-derived organic matter on the growth of bacterioplankton and heterotrophic nanoflagellates. Coral Reefs. In Press
- Mitulla, M., Dinasquet, D., **Guillemette, R.**, Simon, M., Azam, F., Wietz, M. 2016. Response of bacterial communities from California coastal waters to alginate particles and an alginolytic *Alteromonas macleodii* strain. Env. Micro.: (18): 4369 - 4377
- Gong, M., Ma, J., **Guillemette, R.**, Zhou, M., Yang., Y, Yang, Y., Hock, J.M., Yu, X. 2013. miR-335 inhibits small cell lung cancer bone metastases via IGF-1R and RANKL pathways. Molecular Cancer Research: (13): 01-36
- Alyokhin, A., **R. Guillemette**, and R. Choban. 2009. Stimulatory and Suppressive Effects of Novaluron on the Colorado Potato Beetle Reproduction. Journal of Economic Entomology: (6): 2078-2083

POSTERS & PRESENTATIONS

- **Guillemette R.**, Kaneko, R., Blanton, J., Medina, M., Koch, B., Hamasaki, K., Azam, F. Heterotrophic bacteria contribute to rapid turnover of coral mass spawn organic matter. 2016. International Society for Microbial Ecology, Montreal, Canada
- Yu X, Ma J, Gong M, **Guillemette R**, Hock JM. 2010. Abnormal Osteoblast Development from Nf1 Null Embryonic Stem Cells. 5th International Conference on Osteoporosis and Bone Research, Shenzhen, China
- **Guillemette, R.** 2009. Human health concerns in Maine: An overview of climatic influences on disease, allergens, & toxics. 17th Annual Harold W. Borns Symposium, Climate Change Institute, Orono, ME
- **Guillemette, R.**, Nurse, A., Smorodin, V. 2008. Bio-aerosol monitoring. 16th Annual Harold W. Borns Symposium, Climate Change Institute, Orono, ME

HONORS & COMPETITIVE AWARDS

- Cold Spring Harbor, Advanced Bacterial Genetics Scholarship (NSF) 2017
- Tinker Foundation Field Research Grant, 2014
- Bingham Fellowship, Climate Change Institute, University of Maine, 2008-2009
- Margaret Chase Smith Public Affairs Scholarship, 2008-2009
- Helen L. Stinchfield - Health Professions Scholarship, 2008
- Academic Work Merit Scholarship (twice), 2007 & 2008

SPECIALIZED TRAINING & CERTIFICATIONS

- American Academy of Underwater Sciences certified Scientific SCUBA Diver
- Course certified: CPR; First Aid; Oxygen Administration, Current
- Class B Commercial Driver License, 2004 – 2016
- Experienced heavy equipment operator, 2000 – Present