

Steven Smriga
Curriculum Vitae

Scripps Institution of Oceanography
University of California, San Diego
9500 Gilman Dr., MC 0202
La Jolla, CA 92037, USA
phone: (858) 534-3196, fax: (858) 534-7313
email: ssmriga@ucsd.edu

Education

University of California, San Diego,
Scripps Institution of Oceanography (SIO), Marine Biology PhD expected 2009
Thesis Advisor: Dr. Farooq Azam
University of Wisconsin-Madison, Bacteriology and Molecular Biology B.Sc. 2000

Professional Experience

Scripps Institution of Oceanography, Graduate Student Researcher and
NSF Graduate Student Research Fellowship 2003-present
Meridian Institute, Washington DC, research assistant 2002-2003
Smithsonian Tropical Research Institution, short-term fellowship 2001-2002
U.S. Dept of Energy Lawrence Berkeley Laboratory, ERULF Fellowship
and CSEE Bridge Program Fellowship 2000-2001
University of Wisconsin-Madison, student research assistant 1998-2000
EnChem Inc, Madison WI, metals analysis assistant 1999
Wisconsin Fast Plants, UW-Madison, outreach assistant 1998-2000

Publications

Smriga, S., S. Sandin, and F. Azam. (*in revision*) Abundance, diversity, and activity of microbial assemblages associated with coral reef fish guts and feces. *FEMS Microbiology Ecology*.

Garren, M., **S. Smriga**, and F. Azam. (2008) Gradients of coastal fish farm effluents and their effect on coral reef microbes. *Environmental Microbiology* **10**: 2299-2312.

Dinsdale E.A., Pantos O., **Smriga S.**, Edwards R.A., Angly F., et al. (2008) Microbial ecology of four coral atolls in the Northern Line Islands. *PLoS ONE* **3**: e1584.
doi:10.1371/journal.pone.0001584

Smith, J.E., M. Shaw, R.A. Edwards, D. Obura, O. Pantos, E. Sala, S.A. Sandin, **S. Smriga**, M. Hatay, and F.L. Rohwer. (2006) Indirect effects of algae on coral: algae-mediated, microbe-induced coral mortality. *Ecology Letters* **9**: 835-845.

Worden, A.Z., M. Seidel, **S. Smriga**, A. Wick, F. Malfatti, D. Bartlett, and F. Azam. (2006) Trophic regulation of *Vibrio cholerae* in coastal marine waters. *Environmental Microbiology* **8**: 21-29.

Bond, P.L., S. Smriga, and J. Banfield. (2000) Phylogeny of microorganisms populating a thick, subaerial, predominantly lithotrophic biofilm at an extreme acid mine drainage site. *Applied and Environmental Microbiology* **66**: 3842-3849.

Teaching and Outreach Experience

Teaching Assistant, Microbial Genetics, UC-San Diego, Professor Milton Saier	2008, 2009
Mentor for diversity high school students, Birch Aquarium at Scripps, National Ocean Sciences Bowl (national academic competition)	2006-2009
Workshop Organizer and Presenter, Expanding Your Horizons (motiva- tion program for young women in science and mathematics)	2007-2009
Presenter, summer course for Integrative Graduate Education and Research Traineeship at SIO	2007, 2009
Presenter, outreach presentations for middle and high school students in rural Thorp, Wisconsin	2005, 2008
Invited Participant, Coral Reef Targeted Research and Capacity Building for Management Program (Global Environment Facility), Coral Disease Working Group	2005-present
Workshop Organizer and Presenter, Wisconsin Fast Plants (one-time day-long program for ~15 middle and high school teachers)	2000
Undergraduate Teaching Assistant, Bacteriology, UW-Madison	1999

Professional Service Activities

Coordinator, Microbial Oceanography Journal Club, SIO	2007-2008
Student Representative, Editorial and Publications Committee, SIO	2005-2009
Student Representative, Marine Biology Research Division, SIO	2004-2005
Participant, Environment, Science, and Policy Group, SIO	2003-2005

Awards

U.S. National Science Foundation Graduate Student Research Fellowship	2005-2008
ZoBell Fellowship	2003
A.W. Mellon Fellowship, Smithsonian Tropical Research Institute	2001, 2002
Herfurth Award for Initiative and Efficiency, UW-Madison	2000

Presentations, Posters, and Abstracts

Smriga, S. 2009. Unique microbial taxa among coral reef fish feces. San Diego Microbiology Group Annual Daylong Meeting, La Jolla, California

Smriga, S., S.A. Sandin, and F. Azam. 2008. Microbial communities in coral reef fish feces. 12th International Symposium on Microbial Ecology, Cairns, Australia

Smriga, S., M. Garren, and F. Azam. 2008. Milkfish feces share common bacteria with coral holobiont. 11th International Coral Reef Symposium, Fort Lauderdale, Florida.

M. Garren, **Smriga, S.**, and F. Azam. 2008. Potential for transport of bacteria between fish farms and coral reefs. 11th International Coral Reef Symposium, Fort Lauderdale, Florida.

Smriga, S. 2007. Coral-associated microbial communities in response to fish feces. Coral Disease Working Group Meeting, Marine Science Institute at University of Philippines, Manila

Smriga, S., O. Pantos, F. Rohwer, E. Sala, S. Sandin, and F. Azam. 2006. Exploring coral reef ecosystems along a human population gradient: microbes in the Northern Line Islands. Metagenomics 2006 meeting at CalIT-2, UC-San Diego, La Jolla, California

Smriga, S. and F. Azam. 2005. *Vibrio cholerae* hydrolytic enzyme activity in response to organic substrates. American Society for Limnology and Oceanography Summer Meeting, Santiago de Compostela, Spain

Smriga, S. and F. Azam. 2004. Aminopeptidase and chitinase activity in *Vibrio cholerae* in response to organic substrates. 10th International Symposium on Microbial Ecology, Cancun, Mexico

Stringfellow, W. T., **S. Smriga**, K. C. Oh, and T. Letain. 2001. Evaluating novel alkane-oxidizing bacteria for the biological up-grading of crude oil. 101st Annual Meeting of the American Society for Microbiology, Orlando, Florida

Stringfellow, W. T., **S. Smriga**, K. C. Oh, and T. Letain. 2001. Evaluation of metabolic diversity among potential bacterial catalysts. 23rd Symposium on Biotechnology for Fuels and Chemicals, Breckenridge, Colorado

Smriga, S., P.L. Bond, and J.F. Banfield. 2000. Phylogenetic diversity among acidophilic microorganisms in acid mine drainage. UW-Madison Undergraduate Research Symposium, Madison, Wisconsin