Marie Laure Cuvelier
Curriculum Vitae

AFFILIATIONS

Rosenstiel School of Marine & Atmosph. Sciences
Marine Biology & Fisheries Division
4600 Rickenbacker Causeway
Miami, FL 33149 USA

Monterey Bay Aquarium Research Institute
7700 Sandholdt Rd.
Moss Landing, CA 95039 USA
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DEGREES

2004 M.S.	**Nova Southeastern University Oceanographic Center (NOVA),** Marine Biology
2001 B.S.	**Nova Southeastern University,** Marine Biology

EXPERIENCE

2004-Present	**Rosenstiel School of Marine and Atmospheric Science, UM**. Ph.D. candidate under the direction of Prof. A.Z. Worden, research also in affiliation with MBARI
2004	**Marine Environmental Partners, Inc.** Tested novel ballast water treatment system onboard ships
2002-2004	**Nova Southeastern University Oceanographic Center**. Master Student under the direction of Prof. A. Rogerson. Thesis: "Enhanced survival of *Escherichia coli* in subtropical beach sand and implications for water quality managers"
2002-2004	**Broward County Sea Turtle Conservation Program.** Monitor Broward County beaches during nesting season

OCEANOGAPHIC CRUISES

R/V Seward Johnson, Equatorial Atlantic, 2006
R/V Walton Smith, Straits of Florida, several cruises in 2005, 2007
R/V Oceanus, Sargasso Sea, 2005

TEACHING

2003	**NOVA** TA for 'Concepts in Physical Oceanography' class (graduate level course)
2002-2004	**NOVA** TA for 'Biology I Laboratory' & 'Biology II Laboratory' (undergrad. level)

HONORS

2008	Harding B. Michel Biological Oceanography Fellowship
2004-2005	Royal Caribbean/Ocean Fund Graduate Student Fellowship

PROFESSIONAL AFFILITIONS

American Society of Limnology and Oceanography (ASLO)**;** American Society for Microbiology (ASM)**;** American Academy of Underwater Sciences (AAUS)

PUBLICATIONS

Hartz A*, Cuvelier ML*, Nowosielski K, Bonilla TD, Green M, Esiobu N, McCorquodale DS & A Rogerson (2008). Survival potential of *Escherichia coli* and Enterococci in subtropical beach sand: implication for water quality managers. *Journal of Environmental Quality.* Vol. **37**: 898-905. **Equal contribution, co-first authors*

Cuvelier ML, Ortiz A, Eunsoo K, Moehlig H, Richardson DE, Heidelberg JF, Archibald JM & AZ Worden (2008). Widespread distribution of a unique marine protistan lineage. *Environmental Microbiology*. Vol. **10** (6): 1621-1634.

Bonilla TD, Nowosielski K, Cuvelier ML, Hartz A, Green M, Esiobu D, McCorquodale DS, Fleisher JM & A Rogerson (2007). Prevalence and distribution of fecal indicator organisms in South Florida beach sand and

preliminary assessment of health effects associated with beach sand exposure. *Marine Pollution Bulletin.* Vol. **54** (9): 1472-1482.

Worden AZ, Cuvelier ML & DH Bartlett (2006). In depth marine microbial community genomics. *Trends in Microbiology*. Vol. **14**:331-336.

PRESENTATIONS

Cuvelier ML, Demir E, Binder B, & AZ Worden (2008). Community Composition of Picoeukaryotes in Open Ocean. ASM General Meeting, Boston, MA. Poster.

Welsh RM, Cuvelier ML & AZ Worden (2008). The application of flow cytometry to enumeration and sizing of marine phytoplankton populations. *Prochlorococcus* fest, Cambridge, MA. Poster

Cuvelier ML, Binder BJ, Ortiz, AC & AZ Worden (2007). Diversity of picoeukaryotes in open ocean environments. ASM General Meeting, Toronto, Canada. Poster.

Worden AZ, McDonald S, von Dassow P, Not F & ML Cuvelier (2007). Whole genome sequencing of *Micromonas pusilla*, a ubiquitous picoeukaryotic phytoplankter. 2nd Annual JGI User Mtg., Walnut Creek, CA. Poster.

Cuvelier ML, Binder BJ, Heidelberg JF, Ortiz AC & AZ Worden (2006). Ecology of picoeukaryotes in open ocean environments. Gordon Research Conference: Marine Microbes, Biddeford, ME. Poster.

Cuvelier ML, Armbrust EV, Bhattacharya D, Heidelberg JF, Moreau H, Simon N & AZ Worden (2006). Comparative genomics of picoeukaryotic marine primary producers: an introduction to the *Micromonas* project. 1st Annual JGI User Mtg., Walnut Creek, CA. Poster.

Nowosielski K, Cuvelier M & Rogerson A (2003). The implications of high numbers of fecal indicator organisms in sub-tropical beach Sand. ASM General Meeting, Washington DC. Poster