



Center for Ocean Solutions Early Career Fellowship Program

The [Center for Ocean Solutions](http://www.cos.org) ("Ocean Solutions" or "COS") seeks a recent graduate who has received a PhD in the natural sciences or engineering in the last five years to undertake a project to develop technology for real time in situ measurements of fecal indicator bacteria and enteric pathogens in seawater in partnership with researchers at the Monterey Bay Aquarium Research Institute (<http://www.mbari.org/>). In addition, the candidate will work closely with the Center for Ocean Solutions to develop a longer term interdisciplinary, inter-institutional strategic initiative on land-sea interactions. A strong candidate will have a rich background in quantitative polymerase chain reaction, experience detecting rare molecular targets in environmental matrices, an interest in public health and coastal water quality, as well as excellent communication and relationship-building skills. Experience working with commercial or custom-made automated systems for sample preparation and processing is desirable but not required. Interest in gaining knowledge and experience in coastal policy and management is desired. Applicants should be able to work well in a team, as well as carry out independent research.

Ocean Solutions is a collaboration between [Stanford University](http://www.stanford.edu) - including [Hopkins Marine Station](http://www.hopkinsmarinebiology.ucsf.edu) and the [main campus](http://www.mbari.org/) - the [Monterey Bay Aquarium](http://www.mbari.org/), and the [Monterey Bay Aquarium Research Institute](http://www.mbari.org/). Its mission is to develop practical and sustainable strategies that address the major environmental and economic challenges facing the ocean by bringing leading experts in marine science and policy together with decision makers.

In addition to helping implement better policies, Ocean Solutions is working to develop current and future leaders who understand the value of interdisciplinary problem solving. This fellowship program is designed to draw on and enhance the academic and professional skills of early career professionals and researchers by placing them in interdisciplinary collaborations focused on identifying, developing, and implementing enduring solutions to the greatest challenges facing earth's ocean. Ocean Solutions is committed to providing each fellow with appropriate training and mentorship, including access to special leadership and communications workshops, courses, and one-on-one training provided through Stanford's [Woods Institute for the Environment](http://www.woodsinstitute.org). In addition, at least one advisor from Ocean Solutions' collaborating institutions will be responsible for providing ongoing advice and oversight for each fellow.

Eligibility: Applicants must have earned a PhD degree within the past five years and must be fluent English speakers and writers. We seek applicants whose academic and work background demonstrates (1) primary strength in natural or physical sciences or engineering and (2) secondary strength in complementary discipline/s.

Award: The fellow will receive an annual stipend of \$55,000, health insurance coverage, relocation allowance, and limited support for travel and supplies.

Application Deadline: 1 April 2010 or until the position is filled

Fellowship Dates: Starting date is ideally 1 July 2010, but is negotiable with awardee; term of fellowship is one year with the possibility of extension up to three years total.

Application Requirements:

- Curriculum vitae (not more than three pages).
- Personal education and career goal statement emphasizing applicant's interest in, expected contributions to and expectations from the fellowship and requested start date (not to exceed 1500 words).
- Two letters of recommendation, one from an academic advisor and one from someone who is familiar with applicant's professional abilities.
- Official copy of undergraduate and graduate transcripts.

Fellowship Selection and Placement Process:

Applications should be submitted electronically to the Center for Ocean Solutions at earlycareerfellowship@centerforoceansolutions.org.

Criteria for evaluation include: Applicant's academic record and employment history, including applicability to the objectives of the fellowship; contribution of the fellowship to applicant's career goals; applicant's personal, research, and communication skills; letters of recommendation; and interview of applicant. Ocean Solutions will interview application finalists by phone or in person.

For additional information, please visit: centerforoceansolutions.org. Any questions not answered in this announcement or through the Ocean Solutions website should be submitted electronically to Dr. Alexandria Boehm (aboehm@stanford.edu).