

Rob Sherlock
366 Gibson Ave., Pacific Grove, CA
Monterey Bay Aquarium Research Institute • Moss Landing, CA 95039

office: (831) 775-1763 • email: robs@mbari.org • home: (831) 372-3077

EDUCATION

Western Washington University (WWU); Bellingham, WA
MS in Marine and Estuarine Science, June 1995

University of Arizona (UA); Tucson, AZ
BS in Ecology and Evolutionary Biology, December 1988

EXPERIENCE

Research

Sr. Research Technician: Monterey Bay Aquarium Research Institute, Moss Landing, CA. Responsibilities include cruise and laboratory preparation, equipment maintenance and deployment in support of the Robison/Midwater lab group. Skills include data handling, statistical analyses, experimental design and graphic presentations. I also identify, annotate, photograph and conduct independent research on mesopelagic animals. (8/96-present)

Research Cruises: I have logged many hours offshore and have participated in research cruises off northern and southern California, Oregon, Hawaii, Mexico and the Antarctic.

Research Coordinator: Catalina Island Marine Institute, CA. Helped to initiate a diving research program to collect long-term, baseline data and study biodiversity. Taught sampling techniques to certified SCUBA divers (6/94-8/95)

Relevant Teaching Experience

Outreach education at MBARI: Introduce groups to the science we do at MBARI and to the deep sea (elementary to adult), either in-class presentations or at MBARI.

Lecturer Monterey Peninsula College: Taught *Environmental Science* periodically between 2000-2006.

Graduate Teaching Assistant: Western Washington University, Bellingham, WA. Taught lectures and laboratory courses at the main WWU campus and at Shannon Point Marine Center, Anacortes, WA (1/95-3/95)

Director of Diving Catalina Island Marine Institute (CIMI), Avalon, CA: Responsible for program development and implementation, hiring and training staff, and all aspects of safety for a program which experienced over 400 divers a season. (1/96-9/97)

SCUBA (NAUI #16405) Instructor (CIMI): Taught all levels of SCUBA classes up to leadership, underwater photography and research diving. Organized boat dives. Responsible for initiating rescue procedures in event of emergencies (6/94-9/97; summers)

Assistant Program Director and Instructor (CIMI): In charge of program development and instructor training. (1/89-11/91)

Coordinator Marine Interpretive Center (CIMI): Responsibilities included program development, hiring, aquarium set-up, maintenance and scheduling. (6/89-8/89)

Undergraduate Teaching Assistant: University of Arizona, Tucson. Marine Biology. (8/85-12/88)

SKILLS

- Light and scanning electron microscopy
- lab skills include histology, PCR, pH and sectioning
- photography: Underwater, in laboratory, and microscopy
- small boat handling: zodiacs, Boston Whalers, fiberglass twin-hulls
- written and conversational knowledge of Spanish
- trained to pilot the *Deep Worker* submersible for the Sustainable Seas Expedition

SELECT MANUSCRIPTS

Burford, B.P., Robison, B.H., Sherlock, R.E. 2014. Behaviour and mimicry in the juvenile and subadult life stages of the mesopelagic squid *Chiroteuthis calyx*. *J Mar Biol Assoc UK* : 1-15.

Sherlock, R.E., Reisenbichler, K.R., Bush, S.L., Osborn, K.J., Robison, B.H. 2011. Near-field zooplankton, ice-face biota and proximal hydrography of free-drifting Antarctic icebergs. *Deep Sea Research Part II: Topical Studies in Oceanography* 58: 1457-1468.

Kaufmann R.S., Robison B.H., Sherlock R.E., Reisenbichler K.R., and Osborn K.J. (2011). Composition and structure of macrozooplankton and micronekton communities in the vicinity of free-drifting Antarctic icebergs. *DEEP-SEA RES PT II* 58, 1469- 1484.

Robison, B.H., Sherlock, R.E., Reisenbichler, K.R. 2010. The bathypelagic community of Monterey Canyon. *Deep Sea Research Part II: Topical Studies in Oceanography* 57: 1551-1556.

Skikne, S.A., Sherlock, R.E., Robison, B.H. 2009. Uptake of dissolved organic matter by ephyrae of two species of scyphomedusae. *J Plankton Res* 31: 1563-1570.

Robison, B.H., Raskoff, K.A., Sherlock, R.E. 2005. Adaptations for living deep: a new bathypelagic doliolid, from the eastern North Pacific. *J Mar Biol Assoc UK* 85: 595-602.

Robison, B.H., Reisenbichler, K.R., Sherlock, R.E. 2005. Giant larvacean houses: Rapid carbon transport to the deep sea floor. *Science* 308: 1609-1611.

Sherlock, R.E. and B.H. Robison. 2000. Effects of temperature on the development and survival of *Nanomia bijuga* (Hydrozoa, siphonophora). *Invert. Biol.* 119(4) 379-385.

May, 1995. MS Thesis: "Invertebrate species with direct development associated with kelp holdfasts". Western Washington University, Bellingham, WA