

**Melissa Marie Coates, PhD**  
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## Education and Training

2004	Lund University, Sweden	Postdoctoral Scholar
2003–2004	Lund University, Sweden	Fulbright Fellow
1998–2004	Stanford University	PhD Biological Sciences
1993–1997	University of Washington	BS Biochemistry; Cell and Molecular Biology

## Positions and Honors

### Positions and Employment

2003	Guest Lecturer, Sensory Biology Course, Lund University, Sweden
2002	Teaching Assistant (TA), Chance in Biology, Instructor: Dr. Jim Watanabe, Stanford University (SU)
2001	TA, Marine Invertebrate Biology, Instructor: Dr. Watanabe, SU
2001	Guest Lecturer, Neurobiology and Behavior course, Instructor: Dr. Stuart Thompson, SU
2000–2001	Advisor, Undergraduate Research Projects, Thompson Lab, SU
2000	TA, Marine Ecology, Instructor: Dr. Jim Leichter, SU
1999	Section Leader, Biology Core Lab, Developmental Biology Section, SU
1995–1997	Undergraduate Research Assistant, Joseph Gottstein Memorial Cancer Research Lab, Principal Investigator: Lawrence A. Loeb, MD, PhD, University of Washington (UW)
1995	Supervisor, Chemistry Help Room, UW
1994–1997	Docent, The Seattle Aquarium

### Honors and Awards and Funding

2004	Smithsonian Tropical Research Institute (STRI), short-term fellowship for travel, and expenses to STRI Bocas del Toro field station, Panama, \$2500
2003–2004	Fulbright Fellowship to Lund University, Advisor: Dr. Dan-E Nilsson, \$10,000
2002	Dr. Eugene Haderlie Award for excellence in research on a marine invertebrate, \$1000
2001	Sigma Xi, Grants in Aid of Research (GIAR), recipient, \$750
2001	Society for Integrative and Comparative Biology (SICB), GIAR, recipient, \$800
2000	Dr. Arthur C. Giese Award for excellence in marine physiology research, \$1000
2000	Myers Oceanographic and Marine Biology Trust, recipient, \$1500
1999–2002	National Science Foundation, predoctoral fellowship, \$54,000

### Other Experience and Professional Memberships

- 2006 Journal Referee, *FEBS Letters*
- 2004– Member, International Society for Neuroethology, Poster presentation  
7<sup>th</sup> Congress, Nyborg, Denmark, 2004
- 2001 Poster presentation, International Conference on Invertebrate Vision
- 2001 Co-Organizer, Hopkins Marine Station Winter Seminar Series
- 2000– Member, SICB, Divisions of Invertebrate Zoology and Neurobiology.  
Presenter at annual meeting, '01, '02, '03, '04. Invited lecture, 2003

**Skills:** working independently, under pressure, and to deadlines; time management; reading, analyzing and synthesizing material; solving problems; thinking originally and imaginatively; articulating ideas and thoughts orally and in writing; successful grant writing; evaluating student performance; communicating science to varied audiences; curriculum development, project management

### Computer Literacy

- Operating Systems** Extensive experience with Linux, comfortable with both Windows and Macintosh
- Software Packages** L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, emacs, R, OpenOffice, GIMP, Coppermine, MS Office, financial software packages (Gnucash, Quicken, Quickbooks)  
ability to pick up proficiency with new software applications quickly
- Website Administration** Administer and maintain our personal website:  
<http://www.jamieandmelissa.org/>

### Publications

**Peer-reviewed Papers**—complete list available on request.

**Theobald, J. C., Coates, M. M., Wcislo, W. T., and Warrant, E. J.** Flight performance in night-flying sweat bees suffers at low light levels. *J. Exp. Biol.*, 210: 4034–4042 (2007).

**Garm, A., Coates, M. M., Gad, R., Seymour, J., and Nilsson, D.-E.** The lens eyes of the box jellyfish *Tripedalia cystophora* and *Chiropsalmus sp.* are slow and color-blind. *J Comp Physiol A*, 193:547–557 (2007).

**Coates, M. M., Garm, A., Theobald, J. C., Thompson, S. H., and Nilsson, D.-E.** The spectral sensitivity of the lens eyes of a box jellyfish, *Tripedalia cystophora* (Conant). *J Exp Biol*, 209(Pt 19):3758–65 (2006).

**Nilsson, D.-E., Gislén, L., Coates, M. M., Skogh, C., and Garm, A.** Advanced optics in a jellyfish eye. *Nature*, 435(7039):201–5 (2005).

**Coates, M. M.** Visual ecology and functional morphology of the Cubozoa. *Integr. Comp. Biol.*, 43:542–548 (2003).

**Meeting abstracts**—available on request.

## References

Prof. Dan-Eric Nilsson — Department Chair  
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