



The Indiana University Department of Biology proudly announces the 32nd Joan Wood Lecture

Adventures in Pioneering a Model System of Symbiosis

Presented by

Margaret McFall–Ngai, Ph.D.

Professor of Medical Microbiology and Immunology, University of Wisconsin–Madison, and
The European Union/Marie Curie Initial Training Network Professor of the Max Planck Institute

Wednesday, September 11, 2013
4:00 P.M., Myers Hall 130

About Professor Margaret McFall–Ngai

Education:

Postdoctoral Fellow, Scripps Institute of Oceanography, University of California–San Diego, 1986–88, advisor: G. Somero.

Postdoctoral Fellow, Jules Stein Eye Institute, University of California–Los Angeles, 1984–86, advisor: J. Horwitz.

Ph.D., Biology, University of California–Los Angeles, 1983, advisor: J. Morin.

Professional Experience:

A. D. White Professor–at–Large, Cornell University, 2012–18.

Moore Visiting Professorship, California Institute of Technology, 2011–13.

EU/Marie Curie ITN Researcher, Max Planck Institute, 2010–15.

Professor, University of Wisconsin–Madison, 2004–present.

Affiliate Professor, University of Hawaii, 2004–present.

Professor, University of Hawaii, 1999–2003.

Tenured Associate Professor and Researcher, University of Hawaii, 1997–99.

Tenured Associate Professor, University of Southern California, 1994–96.

Assistant Professor, Biological Sciences, University of Southern California, 1989–94.

Honors/Accomplishments:

Currently on the External Advisory Board for the Host/Microbiome Initiative at the University of Michigan.

Currently on the Scientific Advisory Board of the Global Health Institute at the École Polytechnique Fédérale de Lausanne (EPFL) in Lausanne, Switzerland.

Elected Member, American Academy of Arts and Sciences, 2012.

John Guggenheim Fellowship, 2009–10.

Elected Chair, Rhodes Scholar Committee, State of Hawaii, 2002–04.

Regents' Medal for Excellence in Research, University of Hawaii, 2002.

Elected to the American Academy of Microbiology, 2002.

Miescher–Ishida Prize, for contributions to symbiosis, International Society of Endocytobiology, 1999–2000.

Albert S. Raubenheimer Outstanding Junior Faculty Award–Letters, Arts and Sciences, University of Southern California, 1994.

University of California President's Fellow, 1986–88.

National Institutes of Health National Research Service Award, 1985–86.

University of California–Los Angeles Graduate Woman of the Year, 1983.



(Courtesy of the University of Wisconsin–Madison.)

Margaret McFall–Ngai has used the tiny Hawaiian bobtail squid (seen here with its reflection) and its bacterium partner to understand broad aspects of symbiosis and other beneficial relationships. Her presentation will explore: 1) the trends in host-microbe interaction across the animal kingdom; 2) the evidence that such alliances have driven the evolutionary trajectory of the partners; and 3) how studying a diversity of symbiotic models can reveal common themes of how these relationships function.