

# **Raymond Lewis, Ph.D.**

**Associate Professor of Biology at Wheaton College**

Wheaton, IL, US

Dr. Lewis teaches courses in botany, general biology, biological research, environmental science and ethics, and origins.

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## **Biography**

Dr. Lewis completed his doctorate at the University of California, Santa Barbara, where he explored the genetics and physiology of the large marine brown algae known as kelp. After postdoctoral appointments at the Harbor Branch Oceanographic Institution and the University of Nebraska, he came to Wheaton College in 1996. In his laboratory research he collaborates with students to further investigate the physiology of growth and reproduction in various species of brown algae. His teaching focuses on botany, environmental issues, and evolution.

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## **Industry Expertise**

Education/Learning, Research

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## **Areas of Expertise and Research Interests**

Marine Algae, Use of Algae, Environmental Ethics, Botany, Biology, Environmental Science, Plant Taxonomy, Economic Botany, Theories of Origins, Creation and Evolution, Christians in Science

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## **Professional Affiliations**

American Scientific Affiliation : Fellow, Phycological Society of America : Member, International Phycological Society : Member, Japanese Phycological Society: Member

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## **Presentations and Event Appearances**

\* indicates Wheaton students

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**Raymond Lewis, Stephen Moshier, Larry Funck, Robert Bishop, and John Walton. 2015. "Teaching the Science of Origins in the Context of a Robust Doctrine of Creation"**

BioLogos Conference on Evolution and Christian Faith

**Stephen Moshier, Larry Funck, Robert Bishop, Raymond Lewis, and John Walton. "A College-Level Textbook: Understanding Scientific Theories of Origins (with Biblical and Theological Perspectives)"**

Poster, BioLogos Conference on Evolution and Christian Faith

**Lewis, R.J., \*Jo, J., \*Lee, J.J., and \*Kohlhepp, T.J. "Detecting Salinity Ecotypes in Gametogenesis in the Kelp *Alaria marginata*"**  
10th International Phycological Congress

**A Model of Science Higher Education as Christian Service in China**  
67th Annual Meeting of the American Scientific Association

**Introductory Session at 2012 Wheaton College Science Symposium**  
Evolutionary Theory: Implications for Science and Christian Belief

**Phillips, N., Kapraun, D.F., Garreta, A.G. Siguan, A.R. Rull, J.L. Soler, N.S., Braun, E., Lewis, R., Kawai, H.; "Sizing the Heterokont Phaeophyceae Genome"**  
Presented by Naomi Phillips at the 64th Annual Meeting of the Phycological Society of America

**\*Hunt, H.C. and Lewis, R.J. "Determining zinc nutrition and toxicity for oogenesis of the brown algae *Macrocystis integrifolia* and *Saccharina japonica*"**  
Oral presentation by H. Hunt at the 102nd Annual Meeting of the Illinois State Academy of Science

**Lewis, R.J., \*Matthews, B.J., \*Chambers, M.K., \*Coburn, M.E. and \*Foxwell, T.J. "The effects of salinity on gametogenesis in various kelps (Laminariales)"**  
Presented at the 63rd Annual Meeting of the Phycological Society of America

**Heat stability and volatility of a putative oogenesis-inducing male pheromone in the brown alga *Macrocystis integrifolia*.**  
Journal of Phycology 45 (s1): 9 (abstract only). Presented at the 62nd Annual Meeting of the Phycological Society of America

**\*Lee, S.-Y. and Lewis, R.J. "Specificity of male brown algal pheromones"**  
Poster presented by S.-Y. Lee at the Annual meeting of the American Scientific Affiliation

**\*Cho, G.E. and Lewis, R.J. "Production of sperm and male pheromone in the giant kelp *Macrocystis integrifolia*"**  
Poster presented by G. Cho at the Annual meeting of the American Scientific Affiliation

**\*Sakoda, D., \*Wells, K. & Lewis, R.J. "Effects of a putative male pheromone on oogenesis in the brown alga *Macrocystis integrifolia*"**  
Oral presentation by D. Sakoda, awarded Best Undergraduate Student Presentation Award,

**\*Chambers, M.K., \*Coburn, M.E. & Lewis, R.J. "Effects of salinity and male presence on growth and reproduction of gametophytes of the brown algae *Macrocystis*, *Pelagophycus*, and *Pterygophora*"**  
poster presentation by M.K. Chambers

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## **Education**

**University of California, Santa Barbara**  
Ph.D. Biological Sciences

**University of British Columbia**  
M.Sc. Botany

**University of California, Berkely**  
B.A. (Highest Honors) Biological Sciences

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