

[Andrew Palmer, Ph.D.](#)

Associate Professor | Ocean Engineering and Marine Sciences at Florida Tech
Melbourne, FL, US

Dr. Palmer's research interests include eavesdropping on bacterial 'conversations', Martian farming, and cell wall fragment-based signaling.

About

?Science at the interface of chemistry and biology? is the driving theme of the research in Dr. Andrew Palmer?s lab. Whether it is developing a plan for growing food on a future Mars colony, deciphering the chemical signals exchanged between living things, or developing new tools to regulate bacterial virulence, his research is at the intersection of the natural sciences. His students are as likely to be in the greenhouse as they are peering under a microscope or sitting in front of a mass spectrometer. A Florida native, Dr. Palmer grew up in St. Augustine. He received an A.S. from Tallahassee Community College, a B.A. from Florida State University in biochemistry, and a Ph.D. in biomolecular chemistry from Emory University. He then did a National Institutes of Health postdoctoral fellowship at the University of Wisconsin-Madison. His teaching style reflects his interdisciplinary research program: using the solid foundation of chemistry and physics his students develop to explain concepts of biology. Class discussion and developing communication skills are also key elements of his courses. His hobbies include cooking, home brewing and making coffee.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Astrobiology, Ocean Engineering, Biomedical, Molecular Biology, Biochemistry, Chemical Engineering, Marine Sciences

Education

Emory University
Ph.D. Biological Chemistry

Florida State University
B.S. Biochemistry

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