Emily Jarvis

Professor of Chemistry & Biochemistry at Loyola Marymount University
Los Angeles, CA, US
Seaver College of Science and Engineering

Biography

Phone: 310.338.5712 Email: Emily.Jarvis@lmu.edu Office: Life Sciences Building 313 Emily A. Jarvis is currently a Professor of Chemistry at Loyola Marymount University. Prior to joining LMU, she served as a chemistry professor at Gordon College in Wenham, MA, a research scientist at the National Institute of Standards and Technology in Gaithersburg, MD, a visiting professor at Kenyon College in Gambier, OH, and a Science Policy Fellow in the United States Senate. Her research interests include first principles characterization of inorganic and organic molecules, solid-state and nanomaterials, and electronic excited states in small molecules with particular emphasis on atomic-level mechanisms of materials failure and chemical modifications designed to enhance materials performance for clean energy. She also has professional interests in wine chemistry, high performance computing and federal science policy.

Industry Expertise

Research, Education/Learning, Energy, Nanotechnology, Semiconductors, Metalworking and Coatings Technology, Ceramics and Glass, Government Relations

Areas of Expertise

Physical Chemistry, Chemistry, Modern Quantum Chemistry, Chemistry of Wine, Characterization of Inorganic Molecules, Solids and Surfaces

Education

University of California, Los Angeles
Ph.D Physical Chemistry

University of California, Los Angeles
M.S Chemistry

Pepperdine University
B.S. Chemistry

Accomplishments

Consulting
Technical consulting for science, engineering, and film industries

NRC/NIST Fellowship
National Research Council Postdoctoral Fellow at the National Institute of Standards and Technology in Gaithersburg, MD

AAAS/ACS Congressional Science Fellow
Served as science policy advisor in the United States Senate.

DoD High Performance Computing Modernization Program
Composed research updates to be presented to Congress, the Air Force, and the High Performance Computing Modernization Office

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