

# **UNH Materials Science Seminar**

11:00-12:00, Thursday, September 9, 2004

DeMeritt Hall 209B

University of New Hampshire

## **Materials Science in Biochemistry and Molecular Biology**

Professor Thomas Laue

Department of Biochemistry and Molecular Biology

University of New Hampshire

Nature has had about 4.5 billion years of experience in organic and polymer synthesis. One of the most remarkable aspects of biomaterials is their structural complexity, resulting in their ability to respond to their environment in a "smart" manner. This seminar will focus on the aspects of protein folding and protein function that lead to "smart materials." The rules that nature seems to have adopted in producing complex, yet uniform, molecules will be outlined, as will some of their implications to nanotechnology.

Professor Laue is Professor of Biochemistry and Molecular Biology, and joined UNH in 1989. He is the Director of the Center to Advance Molecular Interaction Science, and also directs the NSF-sponsored Industry/University Cooperative Research Center, the Biomolecular Interaction Technologies Center. He obtained a B.A. from Johns Hopkins University and a Ph.D. from the University of Connecticut. He has received the Genentech Research Prize and the UNH Outstanding Associate Professor Award, and this Fall he will receive the 2004 UNH Excellence in Research Award. Professor Laue has also served the university as the 2003-2004 Chair of the Faculty Senate.