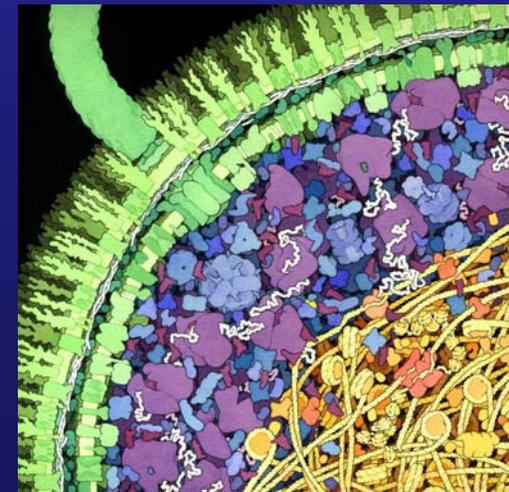




NANOMEDICINE ROADMAP INITIATIVE

Project Launch Meeting

NIH, Masur Auditorium, Bldg 10, Bethesda, MD
Tuesday, May 4, 2004





Nanomedicine Roadmap Initiative

Session I: A Multidisciplinary Approach to Nanomedicine

Steve Goldstein, Yale University

Ion channels: Nanomediators of health, disease and therapy

Peter Agre, Johns Hopkins University

Aquaporin water channels: Structures and functions

Hagan Bayley, University of Oxford, UK

Emerging strategies for engineering channels and pores

Eric Jakobsson, NIH & University of Illinois

Multiscale simulations of ion channel function using tools and principles from computational chemistry and device design



Session I: A Multidisciplinary Approach to Nanomedicine

Questions to consider:

What design principles have been learned about channels that can be used to reverse engineer, modify, enhance, or create channels?

What kind of additional information is needed to manipulate or design channels?

What is your vision of where and how you think nanotechnology can be applied most effectively in this area?

