

Section 367's next All-Lab Lecture, "Understanding the Genome: How Close are We to a Star Trek Medical Diagnosis?" features Dr. Bruce Shapiro of JPL's Machine Learning Systems Group. Just what is the human genome? What does it tell us, and more importantly, what doesn't it tell us? What is JPL's part in this leading-edge research? How do we figure out how pathogens work? Why do astronauts suffer from bone and muscle loss in space and what are we doing to prevent that? What makes plants grow towards the light? What causes cancer? When we are finally faced with an alien pathogen will we be able to understand it? This talk will introduce how we are using functional genomics and computational biology at JPL to study these questions. This lecture is scheduled for Tuesday, February 11, 2003, from Noon - 1pm in the Building 167 Conference Room.