2013 Walter and Helen Parke Loomis Distinguished Lecture and Plant Biology Mini Symposium

Theme: Plant Imaging and Modeling
Date: April 11 & 12 (Thursday and Friday), 2013
Venue: 175-179 Scheman Building, Iowa State University
Organizers: Diane Bassham (chair), Yanhai Yin, Ning Fang, Javier Vela, Robert Jernigan, Julie Dickerson, and Brice Floyd (IPB student)

Walter and Helen Parke Loomis Distinguished Lecture in Plant Biology (7:30 pm, Thursday, April 11, 2013)

Patrick J Hussey, Professor
University of Durham, United Kingdom
Title: The Plant Cytoskeleton: structure, function and biotechnology

Plant Biology Mini-Symposium Speakers
(9:00-5:30 pm, Friday, April 12, 2013)

9:00 am  Hedi Mattoussi, Florida State University
         Biocompatible nanocrystals and clusters as tunable platforms for sensing and imaging

9:50 am  Zan Luthey-Schulten, University of Illinois at Urbana-Champaign
         Whole Cell Simulations

10:40 am  Coffee break

11:00 am  Short talks by Iowa State University faculty (20 min each)
          Eve Wurtele: Meta!Blast: Where in the cell is Dr. Clara Phylton?
          Javier Vela: Surface Doping Quantum Dots with Chemically-Active Native Ligands: Controlling Valence without Ligand Exchange.
          Ning Fang: Three-Dimensional High-Precision Tracking of Nanoparticle Probes

12 pm   Lunch break

1:30 pm  Dr. Marisa Otegui, University of Wisconsin, Madison
         Structure and function of multivesicular bodies in plant cells

2:20 pm  Dr Jenny Russinova, University of Ghent, Belgium
         Tracking endocytosis and signaling of BRII

3:10 pm  Coffee break

3:30 pm  Patrick J Hussey, University of Durham, United Kingdom
         Modeling Cytokinesis

4:20 pm  David Ehrhardt, Carnegie Institution for Science
         Spying on the inner life of plant cells: visualizing and measuring the behaviors of molecules driving cell morphogenesis