

# ADVANCED ELECTRON MICROSCOPY IN NANOMEDICINE SYMPOSIUM

OCTOBER 2-3, 2009  
CALIFORNIA NANOSYSTEMS INSTITUTE  
UCLA

**Bridget Carragher**, *Scripps Research Institute*  
Automated Molecular Microscopy: Case Studies

**Wah Chiu**, *Baylor College of Medicine*  
Cryo-EM of Nanomachines

**Ken Downing**, *Lawrence Berkeley National Lab*  
Microtubules - Fun and Fascinating Targets for Cryo-EM,  
Nanotechnology and Medicine

**Ed Egelman**, *University of Virginia*  
Polymers and Pathogenesis: New Structural Insights

**Joachim Frank**, *Columbia University*  
Cryo-EM of the Ribosome -- The Workings of a Molecular Machine

**Andreas Hoenger**, *University of Colorado at Boulder*  
3D Analysis of Microtubules Interacting with MAPS and Motors

**Grant Jensen**, *Caltech*  
Electron Cryotomography

**Werner Kuhlbrandt**, *Max Planck Institute of Biophysics*  
Cryo-EM of Fatty Acid Synthase at 6 Å Resolution - Structure and  
Function of a Nanomachine for Solid-State Synthesis

**Petr Leiman**, *Ecole Polytechnique Fédérale de Lausanne*  
Macromolecular Machines Involved in Infection of Eukaryotic and  
Prokaryotic Cells

**Paul Matsudaira**, *National University of Singapore*  
The Structure and Mechanics of a Biological Spring, the Actin  
Acrosomal Bundle

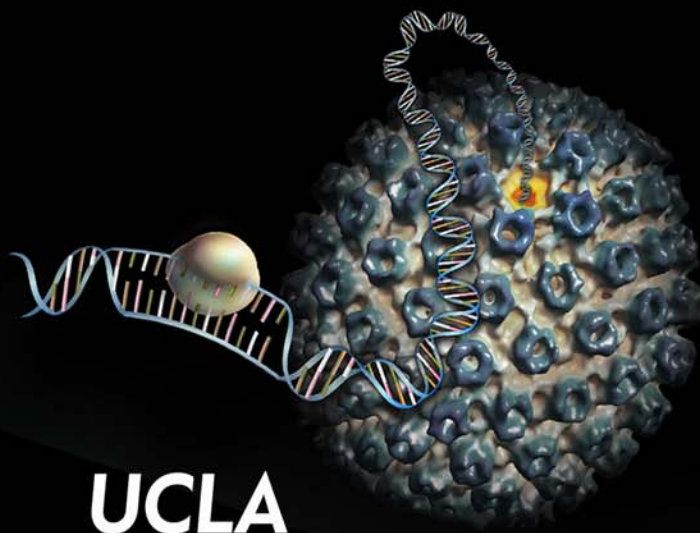
**Keiichi Namba**, *Osaka University*  
Molecular Mechanisms of Self-Assembly, Switching and Motion of the  
Bacterial Flagellum

**Remco Schoenmakers**, *FEI Company*  
Tomographic Reconstruction Methods for Electron Microscopy

**Sriram Subramaniam**, *National Cancer Institute/NIH*  
Bridging the Nano Gap: Visualizing Cells and Viruses at Molecular  
Resolution Using 3D Electron Microscopy

**Kenneth Taylor**, *Florida State University*  
Molecular Tomography - Extracting Molecular Structure &  
Conformation from Electron Tomograms

**Hong Zhou**, *UCLA*  
Atomic Resolution Virus Structures by Cryo-EM



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