

# •NRAMM•

*National Resource for Automated Molecular Microscopy*

## **Multidisciplinary Workshop on Automatic Particle Selection for Cryo-electron Microscopy**

**April 24-25, 2003**

**Center for Integrative Biosciences (CIMBio)  
The Scripps Research Institute (TSRI), La Jolla, California**

**Sponsored by the National Resource for Automated Molecular Microscopy (NRAMM)**

**Hosted by the National Resource for Automated Molecular Microscopy (NRAMM) and Department of Cell Biology at The Scripps Research Institute (TSRI)**

The two-day workshop will provide a forum for discussion about state of the art techniques and technology for automatic particle selection. Two themes will be pursued at the workshop, including: (i) bring together representative interested researchers from multidisciplinary scientific communities, including cryo-electron microscopy, computer vision, pattern recognition, computational geometry, etc, to exchange ideas, techniques, and software tools for automatic particle selection. (ii) Establish a common ground to evaluate existing and future methods for particle selection. This common ground may consist of particle selection criteria, benchmark particles, agreed-upon image datasets, and performance metrics. The form of the workshop includes oral presentations, panel discussions, and a poster session. All participants are encouraged to submit a poster. There is no charge for registration, but the workshop is limited to 30 participants. The registration deadline is March 10, 2003. To apply, please send emails to [zhu4@scripps.edu](mailto:zhu4@scripps.edu) providing some information on your background and addressing briefly the reasons for attending the workshop.

### **Invited Speakers**

Chandrajit Bajaj (University of Texas at Austin)  
Timothy S. Baker (Purdue University)  
Marshall Bern (Palo Alto Research Center)  
Bridget Carragher (The Scripps Research Institute)  
Herbert Edelsbrunner (Duke University)  
Robert M. Glaeser (UC Berkeley)  
David J. Kriegman (UC San Diego)  
Steve J. Ludtke (Baylor College of Medicine)

Ravi Malladi (Lawrence Berkeley National Laboratory)  
Dan Marinescu (University of Central Florida)  
Pawel Penczek (University of Texas-Houston)  
Clinton S. Potter (The Scripps Research Institute)  
Alan Roseman (The Medical Research Council)  
Fred J. Sigworth (Yale University)  
Yuanxin Zhu (The Scripps Research Institute)

### **Organizers**

**Yuanxin Zhu, Bridget Carragher, and Clinton S. Potter**  
National Resource for Automated Molecular Microscopy, The Scripps Research Institute

### **Contact**

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