



THE 10TH ANNUAL NANOBIO TECHNOLOGY SYMPOSIUM

Monday, October 19, 2009
G10 Biotechnology Building
Cornell University, Ithaca, New York

Program Schedule

- 8:00 – 8:30am Registration and Continental Breakfast
- 8:30 – 8:45am **Welcome and Introductions**
Harold Craighead - *Director, Nanobiotechnology Center*
Kent Fuchs - *Provost, Cornell University*
- 8:45 – 9:15am **Epigenomic Analysis on a Nanoscale Device**
Prof. Paul Soloway - *Division of Nutritional Sciences, College of Agriculture and Life Sciences, Cornell University*
- 9:15 – 9:45am **Memories of DNA Nanomaterials**
Prof. Dan Luo - *Department of Biological and Environmental Engineering, Cornell University*
- 9:45 – 10:15am **Current Updates in Multiphoton Endoscopy Development**
Prof. Doug Scherr, M.D. - *Clinical Director of Urologic Oncology, Weill Medical College of Cornell University*
- 10:15 – 10:45am Break
- 10:45 – 11:30am **Manipulating Nanoparticles and Enhancing Spectroscopy with Surface Plasmons**
Prof. Ken Crozier - *Natural Sciences, School of Engineering and Applied Sciences, Harvard University*
- 11:30 – 12:00pm **Illuminating Solution Responses of Proteins with Photocoupled Small Angle X-Ray Scattering**
Prof. Lois Pollack - *School of Applied and Engineering Physics, Cornell University*
- 12:00 – 12:30pm **Derivation of Endothelium from Embryonic Stem Cells for Tissue Engineering and Therapeutic Revascularization**
Prof. Shahin Rafii, M.D. - *Department of Genetic Medicine, Division of Vascular Hematology-Oncology, Weill Medical College of Cornell University*

The NBTC is a multi-institution center led by Cornell University which includes the Wadsworth Center, Princeton University, Oregon Health & Science University, Clark Atlanta University, and Howard University. The NBTC is supported by the STC Program of the National Science Foundation under Agreement No. ECS-9876771. The NBTC is also supported by the New York State Office of Science, Technology and Academic Research (NYSTAR).





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Program Schedule (Continued)

- 12:30 - 1:45pm **Luncheon for Registered Symposium Attendees**
Statler Ballroom, Statler Hotel
- 1:45pm **Welcome to afternoon session**
Harvey Hoch – *Co-Director, Nanobiotechnology Center*
- 1:45 – 2:30pm **Development of Microscale Tissues**
Prof. Celeste Nelson - *Department of Molecular Biology, Princeton University*
- 2:30 – 3:00pm **Print-and-Peel: Patterning Biological Arrays Using Parylene**
Christine Tan, *MS/PhD Graduate Student, Department of Biomedical Engineering, Cornell University*
- 3:00 – 3:30pm **Nano-Scale Bone Mimetics to Study Breast Cancer Bone Metastasis**
Prof. Claudia Fischbach-Teschl - *Department of Biomedical Engineering, Cornell University*
- 3:30 – 4:00pm **Novel Sensor Devices to Study Neurotransmitter Release and the Molecular Mechanism of Vesicle Fusion**
Prof. Manfred Lindau - *School of Applied and Engineering Physics, Cornell University*
- 4:00 – 6:00pm **Poster Session & Reception**
Statler Ballroom, Statler Hotel

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