



Integrative NanoScience Institute

Workshop

IMB Seminar room, Kasha Lab 112

September 25, 2009

*Fostering exchange of ideas and collaboration among researchers
in the integrative nanosciences and related research areas*

Program

1:30 – 1:35 pm: Introduction by Stephan von Molnár, Physics

Presentations:

1:35 – 1:50 pm Hedi Mattoussi, Chemistry & Biochemistry:

Luminescent QDs as novel probes in biology

1:50 - 2:05 pm Thomas Keller, Biological Science:

Titin, a very large multifunctional protein

2:05 - 2:20 pm Sourav Saha, Chemistry & Biochemistry:

Functional Nanomaterials Based on Molecular Recognition and Self-Assembly

2:20 – 2:35 pm Teng Ma, Chemical & Biomedical Engineering:

Repair of tissues by human mesenchymal stem cells: bioengineering challenges & opportunities

2:35 - 2:50 pm Peng Xiong, Physics:

Hybrid organic/solid-state nano devices for sensing and electronic applications

2:50 - 3:05 pm Break

3:05 - 3:20 pm Bruce Locke, Chemical & Biomedical Engineering:

Chemical and Biomedical Engineering Research: Plasma and Muscles

3:20 - 3:35 pm Jingjiao Guan, Chemical & Biomedical Engineering:

Nanowires, Nanochannels, and Nanocavities for Biosensing

3:35 - 3:50 pm Tao Liu, Industrial Engineering:

SWNT thin film enabled functional materials - processing-structure-property relationship studies

3:50 - 4:05 pm Steven Lenhart, Biological Science:

Lipid micro/nanoarrays for surface based screening of liposome function

4:05 - 4:20 pm Geoff Strouse, Chemistry & Biochemistry:

Title to be announced

4:20 – 4:35 pm Break

4:35 - 4:55 pm Harold Kroto The Nanoscale Paradigm Shift and Interdisciplinary Research

5:00 - 6:00 pm Discussion moderated by Bruce Locke:

Interdisciplinary Collaboration & Funding Opportunities