

AADR Fall 2008 Focused Mini-Symposium

Nanotechnology in the Health Sciences

Henderson Room, Michigan League, University of Michigan

911 North University, Ann Arbor, MI 48109

Registration Fee \$200; Register online at www.aadronline.org

Wednesday, 3rd December

- 12:00–1:45 pm POSTER SET-UP (Henderson Room)
- 1:45–2:00 pm **Opening Remarks**
Brian Clarkson
(University of Michigan, School of Dentistry, CRSE)
- 2:00–2:45 pm **“Unraveling Pathological Biomineralization at the Nanoscale”**
Michael D. Ward, PhD
(New York University, Molecular Design Institute, Dept. of Chemistry)
- 3:00–3:45 pm **“A Fantastic Voyage or a Miasma of Particles? Challenges and Opportunities in using Nanotechnology for Drug Delivery”**
Mark Banaszak Holl
(University of Michigan, Chemistry Department)
- 4:00–4:45 pm **“Micro- and NanoFluidics for Cellular Physiology Studies”**
Shuichi Takayama
(University of Michigan, Dept of Biomedical Engineering)
- 5:00–5:30 pm **Discussion**
- 5:30–6:30 pm **Posters** (Henderson Room)
(Dinner – Michigan Room)

Thursday, 4th December

- 7:30–8:00 am Continental Breakfast (Koessler Room)
- 8:00–8:45 am **“Dendrimer-based Nanomedicine: From Chemistry to Translation”**
R. Kannan,
(Wayne State University, Dept. of Chemical Engineering)
- 9:00–9:30 am **“Integrins as Targets for Nanopolymer Conjugated Drug Delivery”**
Elliott Hill
(University of Michigan, School of Dentistry, Biologic and Materials Sciences)
- 9:45–10:15 am Coffee (Koessler Room)
- 10:15–10:45 am **“Nanotargeted Chemotherapy -- Head & Neck Squamous Cell Carcinoma”**
Brent Ward
(University of Michigan, University Hospitals, Oral & Maxillofacial Surgery)
- 11:00–11:30 am **“Synthesis and Nano-interrogation of Apatite Crystals”**
Brian Clarkson
(University of Michigan, School of Dentistry, CRSE)
- 11:30–12:00 pm **Discussion**
- 12:00 pm **Closing Remarks**
Christopher H. Fox,
(Executive Director, IADR/AADR)