
*Nanomaterials for Protein, Genetic Material and Small
Molecule Delivery to Cells*

Wednesday, January 11, 2017

8:00 AM – 4:00 PM, Keller Hall, Rm 3-210

University of MN, Twin Cities East Bank Campus

Sponsored by IPRIME's Nanostructural Materials and Processes (NMP), and Biomaterials and Pharmaceutical Materials (BMP) partnership research programs.

Joseph Zasadzinski (coordinator)

7:30 **Check-in** | Light Breakfast and Coffee

8:00 ***Direct Cytosolic Delivery of Proteins to the Cytosol***

Vincent Rotello ([Abstract and Bio](#))

University of Massachusetts at Amherst

9:00 ***Homologous DNA recombination in vivo with the delivery of Cas9
ribonucleoprotein and donor DNA complexed to gold nanoparticles***

Nirem Murthy ([Abstract and Bio](#))

University of California at Berkeley

10:00 ***Enabling Functional Drug and Nucleic Acid Transport Through
Controlled Polymer Synthesis***

Theresa Reineke ([Abstract and Bio](#))

University of Minnesota

11:00 ***Microfluidic Analysis of the Cellular Response to Membrane
Disruption-Based Intracellular Delivery***

Martin Stewart ([Abstract and Bio](#))

Massachusetts Institute of Technology

12:00 **Lunch**

1:00 ***Intracellular and Extracellular Delivery of Proteins, siRNA and Small
Molecules via Light Triggered Gold Nanoshells***

Joseph Zasadzinski ([Abstract and Bio](#))

University of Minnesota

2:00 ***Polymeric Nanomaterials for Intracellular Delivery of DNA to
Antigen-Presenting Cells***

Chun Wang ([Abstract and Bio](#))

University of Minnesota

3:00 ***Nanoparticles Assembled from Therapeutic Proteins Enable
Intracellular Delivery***

Julie Champion ([Abstract and Bio](#))

Georgia Institute of Technology