

## **STM 2014: Keynote Speakers**



**Michael Garwood, PhD**  
Center for Magnetic Resonance Research  
University of Minnesota  
*"Magnetic Resonance imaging approaches to thermal therapy and nanomedicine delivery"*



**Katherine W. Ferrara, PhD**  
Biomedical Engineering  
University of California, Davis  
*"Heat induced drug delivery and monitoring of release using ultrasound"*



**Gosse J. Adema, PhD**  
Department of Tumor Immunology  
Radboud University  
*"Immune activation following thermal ablation"*

## **STM 2014: Invited Speakers**



**John Baust, PhD**  
President - American College of Cryosurgery  
UNESCO Professor and Director of the Institute of Biomedical Technology (IBT) at the State University of New York at Binghamton



**Lee Jones, PhD**  
Duke University Center for Cancer Survivorship  
*"Modulation of tumor physiology by exercise: implications for cancer progression and therapeutic response."*



**Rosemary Wong, PhD**  
Program Director, NCI, DCTD, RRP



**Satoshi Kokura, MD, PhD**  
Kyoto Gakuen University  
Kyoto Prefectural University of Medicine, Japan

## STM 2014: Refresher Courses



Chang W. Song, PhD  
Department of Therapeutic Radiology-Radiation Oncology  
University of Minnesota  
*"Radiobiology for thermal medicine"*



Betsy Repasky, PhD  
Department of Immunology  
Roswell Park Cancer Institute  
*"Thermoneutrality and Research in Thermal Medicine"*



Lee Jones, PhD  
Duke Center for Cancer Survivorship  
Duke University  
*"The application of the principles of exercise physiology in the oncology setting"*



Christy Haynes, PhD  
Department of Chemistry  
University of Minnesota  
*"Nanotoxicology: where we are for translational medicine"*



Satish Ramadyani, PhD,  
Galil Medical  
*"Industry perspectives in Device development for thermal and cryo-based treatments"*



Eric Rudie, PhD  
Independent consultant on medical device development  
*"Industry perspectives in Device development for thermal and cryo-based treatments"*



Jennifer Yu, MD, PhD  
Radiation Oncology Department  
Cleveland Clinic  
*"Stem Cells and focal therapies"*



John Pearce, PhD  
Department of Electrical and Computer Engineering  
University of Texas at Austin  
*"Mechanisms of Cell death in thermal medicine"*



Emad Ebbini, PhD  
Department of Electrical and Computer Engineering  
University of Minnesota  
*"HIFU Update"*

## **STM 2014: University of Minnesota Invited Faculty**

<b>Joe Zasadsinki</b>	<i>Laser GNP heating for drug delivery and gene silencing</i>
<b>Chris Hogan</b>	<i>Characterizing nanoparticles in the synthetic vs. biological milieu</i>
<b>Greg Metzger</b>	<i>Imaging gold nanoparticle pre-conditioning; treatment timing</i>
<b>Paul Iazzo</b>	<i>Thermal treatments in the heart</i>
<b>Jayanth Panyam</b>	<i>Treating lung cancer with iron oxide</i>

## **STM 2014: Mayo Clinic Invited Faculty**

**Lance Mynderse**  
**Matthew Gettman**  
**David Woodrum**  
**Matthew Callstrom**

## **STM 2014: Minnesota Invited Industry**

<b>Michael Hoey</b>	<i>Vapor and steam approaches for thermal medicine</i>
<b>Eric Rudie</b>	<i>Electrical Properties of soft tissues for RF and Microwave Treatments</i>
<b>Satish Ramadyani</b>	<i>New generation cryo and microwave devices</i>

## **Call for Abstracts**

The Deadline is January 21, 2014 for both Oral and Poster presentations.