



**Missouri University of Science and Technology  
Chemistry Department  
Seminar Schedule  
Fall Semester 2012**



(All seminars are held on Monday at 4:30 p.m.  
in G-3 Schrenk Hall unless otherwise noted)

**Monday, August 20, 2012**

**Phyllis Lewis, Environmental Specialist, Environmental Health and Safety, Missouri S&T**  
“Hazardous Waste Management, Fire Safety, and Spill Response Training”

**Monday, August 27, 2012**

**Phyllis Lewis, Environmental Specialist, Environmental Health and Safety, Missouri S&T**  
“General Laboratory Safety Training”

**Monday, September 3, 2012**

**Labor Day, no seminar**

**Monday, September 10, 2012**

**Dr. Honglan Shi, Assistant Research Professor, Chemistry Department, Missouri S&T**  
“Occurrence, Degradation, and Control/Limitation of Emerging Drinking Water Contaminants in Missouri Drinking Water Systems”

**Monday, September 17, 2012**

**Dr. Connie Gryniewicz-Ruzicka, Division of Pharmaceutical Analysis, U. S. Food and Drug Administration, St. Louis, MO**  
“Analytical Methods for On-Site Pharmaceutical Surveillance”

**Monday, September 24, 2012**

**Dr. George C. Schatz, Professor of Chemistry, Northwestern University**  
Title to be announced

**Monday, October 1, 2012**

**Dr. Manashi Nath, Assistant Professor of Chemistry, Missouri S&T**  
“Creating Functional Nanostructures for Smart Devices”

**Monday, October 8, 2012**

**Dr. Craig E. Lunte, Professor and Chair of Chemistry, University of Kansas**  
“Studying Oxidative Stress Using In Vivo Microdialysis Sampling and Microanalytical Techniques”

**Monday, October 15, 2012**

**Dr. Li-Qun Gu, Associate Professor, Department of Biological Engineering, Dalton Cardiovascular Research Center, University of Missouri-Columbia**

“Nanopore in Personalized Medicine: A Single-Molecule Epigenetic Study”

**Monday, October 22, 2012**

**Dr. Dayananda Chandrappa, Post-Doctoral Fellow, Chemistry Department, Missouri S&T**

“Investigation of Native Microalgae as Sustainable Sources of Fuel, Feed, and Food”

**Monday, October 29, 2012**

**Dr. R. Scott Martin, Professor of Chemistry, Saint Louis University**

“Microchip-based Analysis Systems for Monitoring Biological Events”

**Monday, November 5, 2012**

**Dr. Yew-San Hor, Assistant Professor of Physics, Missouri S&T**

Title to be announced

**Monday, November 12, 2012**

**Dr. Rex E. Gerald, Senior Research Scientist, Chemistry Department, Missouri S&T**

“Advanced Microcontrollers in the Chemistry Laboratory: Stirred and Temperature-Regulated Reaction Chamber”

**Monday, November 19, 2012**

**Thanksgiving Vacation – No Seminar**

**Monday, November 26, 2012**

**Rakesh Kacham, graduate student, Chemistry, Missouri S&T**

“Role of NACA in Radiation Induced Oxidative Stress in Cancer Therapy”

**Monday, December 3, 2012**

**Ahdab N, Khayyat, graduate student, Chemistry, Missouri S&T**

“Comparative Evaluation between NAC and NACA in Acetaminophen Induced Oxidative Stress”

**Monday, December 10, 2012**

**Finals Week – No Seminar**