

**Networks for Characterizing Chemical Life Cycle (NCCLC) and Networks for Sustainable Molecular Design and Synthesis (NSMDS) 2014 Grantees Meeting**

**June 23-24, 2014**

**EPA Potomac Yards South Conference Center**

**Agenda**

**Day 1**

- 8:00 – 8:20 a.m. **Welcome**  
*James H. Johnson, Jr., Ph.D., Director, National Center for Environmental Research, Office of Research and Development, U.S. EPA*
- 8:20 – 8:40 a.m. **Life Cycle and Green Chemistry—EPA Research Perspective**  
*Tina Bahadori, Sc.D., National Program Director, Chemical Safety for Sustainability Research Program, U.S. EPA*
- 8:40 – 9:00 a.m. **NSF Chemistry Division Perspective on Sustainability and Collaboration**  
*Tanja Pietrass, Ph.D., Deputy Division Director, National Science Foundation (NSF), Division of Chemistry*
- 9:00 – 9:15 a.m. **Charge to Investigators**  
*TBD*
- 9:15 – 10:00 a.m. **NSMDS: Computational Design and Synthetic Exploitation of Earth-Abundant-Sourced Photocatalysis for C-X Activation**  
*Colorado State University*
- 10:00 – 10:15 a.m. **Questions and Answers**
- 10:15 – 10:20 a.m. **Logistics and Charge**
- 10:20 – 10:45 a.m. **COFFEE BREAK**
- 10:45 – 11:30 a.m. **NSMDS: Molecular Design, Synthesis and Characterization of Green Glycolipid Surfactants**  
*University of Arizona*
- 11:30 – 11:45 a.m. **Questions and Answers**
- 11:45 – 1:00 p.m. **LUNCH BREAK**
- 1:00 – 1:45 p.m. **NSMDS: Sustainable Chemical Innovations by an Integrated Design Approach**  
*University of Kansas*
- 1:45 – 2:00 p.m. **Questions and Answers**
- 2:00 – 2:45 p.m. **NSMDS: Improving Material Safety Through the Minimization of Oxidative Stress Potential—A Mechanistic Understanding of ROS Generation in *In Vitro* and *In Vivo* Systems**  
*Yale University*
- 2:45 – 3:00 p.m. **Questions and Answers**
- 3:00 – 3:30 p.m. **COFFEE BREAK**
- 3:30 – 4:15 p.m. **NCCLC: Life Cycle of Nanomaterials (LCnano)**  
*Arizona State University*
- 4:15 – 4:30 p.m. **Questions and Answers**
- 4:30 – 5:15 p.m. **NCCLC: Network for Rapid Assessment of Chemical Life Cycle Impact**  
*University of California, Santa Barbara*
- 5:15 – 5:30 p.m. **Questions and Answers**
- 5:30 p.m. **Adjournment**

**Day 2**

- 8:30 – 8:40 a.m. **Introductory Remarks**  
*Carol Bessel, Ph.D., Program Director and Team Lead, Chemical Synthesis Program, Division of Chemistry, NSF*
- 8:40 – 9:00 a.m. **Overview of EPA Chemical Safety for Sustainability (CSS) Intramural Research on Sustainable Chemistry**  
*Caroline Stevens, Ph.D.*
- 9:00 – 9:20 a.m. **Overview of EPA CSS Intramural Research on Life Cycle and Human Exposure Modeling**  
*Kent Thomas, Ph.D.*
- 9:20 – 9:40 a.m. **Research Projects on LC/HEM and Collaborative Opportunities**  
*David Meyer, Ph.D.*
- 9:40 – 9:55 a.m. **Perspectives on Collaborative Research Opportunities with EPA**  
*Jennifer McLain, Ph.D., Office of Pesticide Programs, Office of Prevention, Pesticides, and Toxic Substances (OPPTS), U.S. EPA*
- 9:55 – 10:10 a.m. **Perspectives on Collaborative Research Opportunities with EPA**  
*David Widawsky, Ph.D., Office of Pollution Prevention and Toxics, OPPTS, U.S. EPA*
- 10:10 – 10:25 a.m. **Questions and Answers**
- 10:25 – 10:40 a.m. **BREAK**

10:40 – 12:10 p.m. **Challenges and Opportunities**  
*Please provide information about challenges encountered and ideas about potential new collaborations.*

10:40 – 10:55 a.m. **NCCLC:**  
*University of California, Santa Barbara – [Download abstract](#)*

10:55 – 11:20 a.m. **NCCLC:**  
*Arizona State University – [Download abstract](#)*

11:10 – 11:35 a.m. **NSMDS:**  
*Yale University – [Download abstract](#)*

11:25 – 11:40 a.m. **NSMDS:**  
*University of Kansas – [Download abstract](#)*

11:40 – 11:55 a.m. **NSMDS:**  
*University of Arizona – [Download abstract](#)*

11:55 – 12:10 p.m. **NSMDS:**  
*Colorado State University – [Download abstract](#)*

12:10 – 12:40 p.m. **Final Remarks and Conclusions from EPA and NSF**

12:40 p.m. **Adjournment**