

US EPA ARCHIVE DOCUMENT

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