



Unless noted, seminars held 11 a.m.—noon, 171 Durham, open to all ISU students, post-doctoral researchers, scientists, faculty and staff. A reception with the guest speaker (open to all CBE graduate students, post doctoral researchers, visiting scientists and faculty) in 2061 Sweeney from 10:30-11:00 a.m.

- January 17** **“VisionZero: Creating a Culture of Continuous Improvement”**
Derek Winkel, Executive Director, Manufacturing Operations, Renewable Energy Group
- January 24** **Departmental Safety Training**
- January 31** **“Nano-Based Materials and Sensors for Pathogen Sensing Applications:
a Biometric Approach”**
Carmen Gomes, Department of Mechanical Engineering, Iowa State University (*no reception*)
- February 7** **“How to Convince Baker’s Yeast to be a Less Picky Eater”**
Nikhil Nair, Tufts University
- February 14** **“New Optoelectronic Materials Based on Two-Dimensional Crystals and
Layered Structures”**
Matthew Panthani, Dept. of Chemical and Biological Engineering, Iowa State University
(*no reception*)
- February 21** **“Liquid Phase Electron Microscopy Imaging of Biological and Soft Materials”**
Tanya Prozorov, The Ames Laboratory
- February 28** **“Perfect Pitch”**
Timed Research Presentations by ISU Chemical Engineering Graduate Students
- March 7** **“Leveraging Physiology for Bioresponsive Drug Delivery”**
Zhen Gu, California Nanosystems Institute, University of California Los Angeles
- March 14** **“The Growth of Metastable Materials: The Next Generation of Materials Synthesis”**
Thomas Kuech, University of Wisconsin-Madison
- March 21** *No seminar (Spring Break)*
- March 28** **“Designing Biology for Health and Sustainability”**
Pamela Silver, Harvard Medical School/Wyss Institute
- April 4** **“Metabolic Engineering of Bacteria for Synthesis of Oligosaccharides”**
Rachel Chen, Georgia Institute of Technology
- April 11** *No seminar (CBE Advisory Council meetings)*
- April 18** **Topic to be announced**
Akikumar Parayil, Manus Bio
- April 25** **“Why is it Wet? Active Sites, Activities and Non-Innocent Solvents”**
David W. Flaherty, Dept. of Chemical and Biomolecular Engineering,
University of Illinois at Urbana-Champaign