

**Advanced Materials Workshop**  
**Interdisciplinary Research across the University of Oklahoma**

Thursday, November 13th, 2025  
The NOUN Hotel, Norman OK

**8:00 to 17:00 – Poster Session**

Sarah Sharif

**8:30 – Welcome Address**

**Research Opportunities across the University of Oklahoma**

Carol Silva, Senior Associate Vice President for Research and Partnerships

**8:45 – The Industrial Perspective across Multiple Sectors**

Consumer Products, Specialty Chemicals, Energy, Health, Aerospace, Semiconductors, and Artificial Intelligence

Panelists:

Seth Lindberg, Patrick Stenger, and Will Shearouse (Procter & Gamble)

Steve O'Connor (Innospec)

Erick Acosta (Integrity Biochem)

Adam Bymaster (ExxonMobil)

Nicholete Davis (OKBiostart)

Edmund Seebauer (UIUC)

Kenneth Kroenlein (Citrine Informatics)

**10:00 – Coffee Break/Poster Presentation Group 1**

**10:30 – Panel 1: OU Materials Research for Energy**

10:30 – Michele Galizia – Polymers for Gas and Organic Solvent Separations

10:45 – Steven Crossley – Advances in Catalysis

11:00 – Hyunho Noh – Synthesis and Characterization of Advanced Materials

11:15 – Mike Banad – Discovering New Phase-Change Materials with Machine Learning

11:30 – Discussion

**12:15 – Lunch/Poster Presentation Group 2**

**13:15 – Panel 2: OU Materials Research for Health**

13:15 – Valentin Rybenkov – Membrane Channels

13:30 – Stefan Wilhelm – Nanoparticles and Liposomes

13:45 – Sarah Breen – Materials for Prosthetic Devices

14:00 – Sepideh Razavi – Soft Materials with Health Impact

14:15 – Discussion

**15:00 – Coffee Break/Poster Presentation Group 3**

**15:30 Panel 3: OU Materials Research for Aerospace and Other Applications**

15:30 – Lloyd Bumm – Advanced Surface Characterization

15:45 – Yingtao Liu – Additive Manufacturing

16:00 – Madalina Furis – Optoelectronic Phenomena

16:15 – Shreya Vemuganti – Advanced Cements

16:30 – Discussion

**17:15 – End of Workshop/Poster Competition Awards**

**17:30 – Closed-Door Discussion with Industrial Partners and NRT Diana PIs**

Diana PIs and Senior Investigators:

Alberto Striolo, Sarah Breen, Lloyd Bumm, Hyunho Noh, Sepideh Razavi, Brian Grady,  
John Klier, Dimitrios Papavassiliou, Helena Zgurskaya, Valentin Rybenkov, Katerina  
Tsetsura, Shane Connelly

**19:30 – Dinner**