

All events are on  
Fridays,  
3pm in 66-110



**ChemE** MIT  
Chemical  
Engineering

## Seminar Series Fall 2025

**09/05** **CRISPR-based diagnostics: Gross errors, useful specificity, and microfluidic assays**  
**Juan Santiago**  
Charles Lee Powell Foundation Professor of Mechanical Engineering, Stanford University

**09/12** **Characterizing dynamic materials and systems for sustainable electrocatalytic technologies**  
**Linsey Seitz**  
Assistant Professor of Chemical and Biological Engineering, Northwestern University

**09/19** **Understanding how the environment around active sites affects electrocatalytic activity**  
**Joaquin Resasco**  
Assistant Professor of Chemical Engineering, University of Texas, Austin

**09/26** **Charles C. Cooney Lecture**  
*Neurochemical probes to study the formation of stable peer-relationships*  
**Markita Landry**  
Associate Professor of Chemical and Biomolecular Engineering, University of California, Berkeley

**10/03** **Advancing scientific discovery in catalysis with artificial intelligence**  
**Hongliang Xin**  
Associate Professor of Chemical Engineering, Virginia Tech

**10/24** **Biology by design: from directed evolution to autonomous experimentation**  
**Huimin Zhao**  
Steven L. Miller Chair of Chemical & Biomolecular Engineering, Professor of Chemistry, Biochemistry, and Bioengineering, University of Illinois, Urbana-Champaign

**11/14** **Gradient-driven transport phenomena across scales: from fish skin patterns to ion transport in electrochemical capacitors**  
**Ankur Gupta**  
Assistant Professor of Chemical and Biological Engineering, University of Colorado, Boulder

**11/21** **Hoyt C. Hottel Lecture**  
*Movement of neutral molecules under electric fields and relevance to rechargeable batteries*  
**Nitash Balsara**  
Charles W. Tobias Professor in Electrochemistry, University of California, Berkeley

**12/05** **Daniel I.C. Wang Lecture**  
*Built to serve: The innovation ecosystem and purpose-driven ethos that drive a culture of "Every Patient Every Time"*  
**Chetan Goudar**  
VP Global Clinical Manufacturing, Amgen

