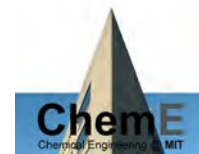


# MIT Chemical Engineering Seminar Series

Spring 2021 **Virtual Seminars**



<b>Thursday, February 4 4:00pm</b>	<b>"Complex Fluids in Microchannel Flows: from Bleeding to Drug Delivery"</b> Qin Maggie Qi, Postdoctoral Fellow, School of Engineering and Applied Sciences, Harvard University
<b>Thursday, February 11 4:00pm</b>	<b>"Probing the Molecular-Level Physics of Block Copolymer Electrolytes for Next-Generation Rechargeable Lithium Batteries"</b> Whitney S. Loo, Postdoctoral Scholar, Pritzker School of Molecular Engineering, University of Chicago
<b>Thursday, February 18 4:00pm</b>	<b>"Engineering bacteria to expand the chemistry of life"</b> Jorge A. Marchand, Postdoctoral Fellow, Dept of Genetics & Wyss Institute for Biologically Inspired Engineering, Harvard Medical School
<b>Thursday, February 25 4:00pm</b>	<b>"Materials Design and Electrochemical Engineering at the Energy-Environment Nexus: from High Energy Density Battery to Carbon Capture"</b> Yayuan Liu, Postdoctoral Associate, ChemE, Massachusetts Institute of Technology
<b>Wednesday, March 10 12:00pm</b>	<b>Dynamic control of interferon signaling and gene regulation and its role in regulating the immune response</b> (Joint with the Ragon Institute) Catera Wilder, Postdoctoral Training in Signaling Systems Biology, UCLA
<b>Friday, March 12 3:00pm</b>	<b>Engineering Polymeric Ionic Liquids for Metal Ion Conduction</b> Rachel A. Segalman, Chair, Dept. of Chemical Engineering, Associate Director of the UT/UCSB/LBL EERC: Center for Materials for Water and Energy, Systems, University of California, Santa Barbara
<b>Wednesday, March 17 12:00pm</b>	<b>Next-Generation Platforms for Immune Engineering and Drug Discovery</b> (Joint with the Ragon Institute) Brandon DeKosky, Assistant Professor, Dept. of Chemical Engineering, Dept. of Pharmaceutical Chemistry, University of Kansas
<b>Thursday, March 25 4:00pm</b>	<b>"Unraveling Cytokine Pleiotropy through Structure-guided Engineering"</b> (Joint with BE and Ragon Institute) Robert Saxton, Postdoctoral Research Fellow, Stanford University School of Medicine
<b>Friday, April 2 3:00pm</b>	<b>Analysis and Engineering of Multivalent Biomolecular Interactions</b> Casim A. Sarkar, PhD, Associate Professor, Director of Graduate Studies, Department of Biomedical Engineering, University of Minnesota
<b>Friday, April 9 3:00pm</b>	<b>Engineering Immunology Using Chemistry and Data Science</b> Gaurav Chopra, Assistant Professor, Director of Merck-Purdue Center of Measurement Science, Purdue University
<b>Friday, April 16 3:00pm</b>	<b>Personalized Medicine and the Design of Effective Treatment Diseases: A Process and System Engineering Perspective</b> Babatunde A. Ogunnaike, William L. Friend Chaired Professor of Chemical Engineering, University of Delaware
<b>Friday, April 23 3:00pm</b>	<b>Chemically Tunable 2D Materials</b> Kristie J. Koski, Assistant Professor, Department of Chemistry, University of California, Davis
<b>Friday, April 30 3:00pm</b>	<b>In Situ Electrochemical Insight into Redoxactive Macromolecular Radicals for Metal-free Batteries</b> Jodie Lutkenhaus, Professor and William and Ruth Neely Faculty Fellow, Presidential Impact Fellow / Chancellor EDGES Fellow, Artie McFerrin Department of Chemical Engineering, Texas A&M University
<b>Thursday, May 6 12:00pm</b>	<b>LEWIS LECTURE: Short Stories in Fluid Dynamics at Different Length Scales</b> Howard A. Stone, Donald R. Dixon '69 and Elizabeth W. Dixon Professor in Mechanical and Aerospace Engineering, Princeton University

Everyone is invited

<https://cheme.mit.edu/news-events/seminar-series/>