<div align="center">
CHEMICAL ENGINEERING DEPARTMENT
10.992 Student Seminar Series
SPRING 2024
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All Student Seminars are MIT ONLY events and will be held in-person in room 66-110 unless otherwise noted.

MONDAY, February 12th		
3:00 pm	Nathan Stover	"Mechanistic Modeling of *In Vitro* Transcription Incorporating Effects of Magnesium Pyrophosphate Crystallization"
MONDAY, February 26th		
3:00 pm	Mingrou Xie	"A Computational Roadmap for the *De Novo* Design of Organic Structure Directing Agents for Zeolite Synthesis"
3:30 pm	Jenna Fromer	"An Algorithmic Framework for Synthetic Cost-aware Decision Making in Molecular Design"
MONDAY, March 4th		
3:00 pm	Xiaochen Du	"Accelerating Atomic-scale Simulations for Surface Reconstruction"
3:30pm	Lexy LeMar	"Multiphase Reaction Products of Atmospheric Alkoxy and Peroxy Radicals"
MONDAY, March 11th		
3:00 pm	Landon Schofield	"Dynamic Optimization of Proton Exchange Membrane Water Electrolzyers Considering Usage-based Degradation"
3:30 pm	John Vergados	"Pulsed Field Gradient NMR for Understanding Molecular Transport in Nonaqueous Flow Battery Membranes"
MONDAY, March 18th		
3:00 pm	Shuo-Hsiu (Winson) Kuo	"Guided Differentiation of Human-induced Pluripotent Stems Cells toward Pancreatic Lineages Utilizing Endogenous Gene/miRNA Sensors"
3:30 pm	Gabriel Sanchez Velasquez	"CoPhMoRe - Molecular Recognition at Carbon Nanotube Interfaces"
MONDAY, April 1st		
3:00 pm	Michael Li	"Guided Learning of Electrochemical Impedence Spectra Circuit Topologies"
3:30 pm	Shakul Pathak	"Intercalation Kinetics in Battery Electrodes: Beyond Butler-Volmer"

MONDAY, April 8th		
3:00 pm	Fang- Yu Kuo	"Dual Salt Cation-swing for Electrochemical CO_2 Separation"
MONDAY, April 22nd		
3:00 pm	Jennifer Fang	"Spatial Multiplexing and Quantitative miRNA Detection of Plant Tissue using Nanoliter Well Arrays"
3:30 pm	Yash Samantaray	"Electrochemiocally-resolved Acoustic Emissions for Li-ion Batteries"
4:00 pm	Alexis Dubs	"Continuous Manufacturing Testbed Development for a Monoclonal Antibody Production Process"