
Student Research Seminar Schedule

Session A - Morning (FRNY G124)

8:30 AM – 8:50 AM	Catalytic Consequences of Hydrophobic Pockets Confining Lewis Acid Sites in Zeolites for Aqueous-Phase Sugar Isomerization Michael Cordon <i>Dr. Rajamani Gounder</i>
8:50 AM – 9:10 AM	Introducing Catalytic Diversity into Single-Site Zeolites of Fixed Composition via Synthetic Control of Active Site Proximity John Di Iorio <i>Dr. Rajamani Gounder</i>
9:10 AM – 9:30 AM	Process Intensification in Multicomponent Distillation Zheyu Jiang <i>Dr. Rakesh Agrawal</i>
9:45 AM – 10:45 AM	Keynote Address - Kevin Girard (Pfizer) FRNYG140
11:00 AM – 11:20 AM	Mechanism of Ethene Dimerization on Isolated Nickel Cations Confined within Beta Molecular Sieves Ravi Joshi <i>Dr. Rajamani Gounder</i>
11:20 AM – 11:40 PM	Catalytic Trends at Bifunctional Au/oxide Interfaces: A DFT study Paulami Majumdar <i>Dr. Jeff Greeley</i>
11:40 PM – 12:00 PM	Upgrading Fast-Hydropyrolysis Products of Cellulose to Higher Molecular Weight Products Using Systems-level Molecular Mapping Taufik Ridha <i>Dr. Rakesh Agrawal</i>

Student Research Seminar Schedule

Session B - Morning (FRNY B124)

8:30 AM – 8:50 AM	Chondrogenic Differentiation of Bone Marrow Mesenchymal Stem Cells in Collagen Type I and II Blend Hydrogels Claire E. Kilmer <i>Dr. Julie C. Liu and Dr. Alyssa Panitch</i>
8:50 AM – 9:10 AM	Polymer Lung Surfactant H. Kyle Kim <i>Dr. You-Yeon Won</i>
9:10 AM – 9:30 AM	Tailoring the Thermo-responsiveness of Elastin-like Polypeptides with Short Charged Sequences Charng-yu Lin <i>Dr. Julie C. Liu</i>
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9:45 AM – 10:45 AM	Keynote Address - Kevin Girard (Pfizer) FRNY G140
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11:00 AM – 11:20 AM	Engineering biosensors for the detection of aberrant epigenetics in cancer Agnes Mendonca <i>Dr. Chongli Yuan</i>
11:20 AM – 11:40 PM	Steady-state Data Reconciliation of a Direct Continuous Tableting Line Mariana Moreno <i>Dr. Gintaras V. Reklaitis</i>
11:40 PM – 12:00 PM	Quality by Design: Efficient Continuous Solids Processing Shankali U. Pradhan <i>Dr. James D. Litster and Dr. Carl R. Wassgren</i>

Student Research Seminar Schedule

Session A - Afternoon (FRNY G124)

2:15 PM – 2:35 PM	Geometric and Electronic Effects of Zn Promotion on Pt for Catalytic Light Alkane Dehydrogenation Han-Ting Tseng <i>Dr. Fabio H. Ribeiro</i>
2:35 PM – 2:55 PM	Pt-Fe Intermetallic Alloy Nanoparticles: Selective Catalysts for the Dehydrogenation of Propane Evan Wegener <i>Dr. Jeffrey Miller</i>
3:10 PM – 3:30 PM	A New Method for Determining the Hamaker Constant of Solids using an Atomic Force Microscope Sean Fronczak <i>Dr. Stephen Beaudoin and Dr. David Corti</i>
3:30 PM – 3:50 PM	Controlling Open-Shell Loading in Norbornene-Based Radical Polymers Modulates the Solid-State Charge Transport Exponentially Martha Hay <i>Dr. Bryan W. Boudouris</i>

Student Research Seminar Schedule

Session B - Afternoon (FRNY B124)

2:15 PM – 2:35 PM	Scaling transitions during rupture of thin films of non-Newtonian fluids Vishrut Garg <i>Dr. Osman A. Basaran</i>
2:35 PM – 2:55 PM	A Global Stochastic Programming Approach for Optimal Placement of Imperfect Sensors Jianfeng Liu <i>Dr. Carl Laird</i>
3:10 PM – 3:30 PM	Dynamic Modeling for Antibiotic Resistance Transfer in Enterococcus faecalis Vu Tran <i>Dr. Doraiswami Ramkrishna</i>
3:30 PM – 3:50 PM	Pharmacometabonomics Approach for Early Prediction of Neuropathy Parul Verma <i>Dr. Doraiswami Ramkrishna</i>
