

TRAINEE POSTER SESSION Thu 9/28, 4-6pm			
Poster	Presenter(s)	IRG	Title
1	Aaron Bruckbauer	2	Reassessing Polyurethane Dogmas: Challenging Conventional Polyurethane Foam Chemistry
2	Bryan Bishe	2	A genetic screen for cyanobacterial growth in a hydrogel matrix
3	Alex Do	1	Isocyanide Ligand Binding with Metal-Nanoparticle surfaces
4	Anthony Mu	1	Hierarchical Assembly of Structurally Oriented Metal-Organic Frameworks as Novel Ionic Conductors
5	Bin Wang	1	Investigating Phase Behavior in Two-Dimensional (2D) Binary Nanoparticle Assemblies
6	Debika Datta	2	Crafting smart polymeric materials using different cyanobacteria strains
7	Dong Le & Yui Na	1	PIX: A Multifunctional Biomaterial – A Structural Journey through Small-Angle X-ray/Neutron Scattering
8	Eric Lee Wong	SuperSeed	XRD and PFY-XAS studies of UTe ₂ under High Pressure
9	Erica Hild	2	PEDOT based E-Plants: Crafting Green Thumbs for All
10	Gabriella Stark	1	Optimization of Surface Chemistry to Extend in vivo Circulation Time of Porous Silicon Nanoparticles for Prophylactic Treatment of Traumatic Brain Injuries
11	Hang Yin	1	Using isocyanides to influence layer-assembly of transition metal dichalcogenide nanocrystals
12	Ivonne Gonzalez Gamboa	2	Virus-based nanoparticles as engineered living materials for pesticide delivery
13	Jeffrey Chen	2	Enabling auto-regenerative materials through fatty acid biosynthesis
14	Jiayu Zhao	2	A universal strategy to create adhesive hydrogel for various plants
15	Kangkai Liang	1	Hyperdimensional Scanning Tunneling Microscopy
16	Krista Balto	1	Selective Nanocrystal Surface Ligation and Shape Control Using Sterically-Encumbered Metal-Coordinating Ligands
17	Lekshmi Sasi	2	Solid-state coupling materials for ultrasound/photoacoustic imaging in dentistry
18	Lisa Tang	2	Cellular-proliferation driven cCurvature changes in stimuli-responsive engineered living materials synthesized via diffusion
19	Liya Bi	1	Visualizing Sterically Induced Binding Selectivity of Single m-Terphenyl Isocyanide Ligands on Au(111) with Scanning Tunneling Microscope
20	Lubna Amer	1	Activatable prodrug for spatiotemporally controlled release of antimicrobial peptides and assembly of plasmonic nanoparticles
21	Luis Palomino	2	Plant-Polymer Biohybrids: The Future of Smart Agriculture
22	Luke Herman & Fanglin Tian	SuperSeed	Quantum hyperbolic metamaterials (QHMM) for extreme nonlinear optics
23	Nathan Soulier	2	A single secreted enzyme deforms engineered living materials incorporating cyanobacteria into a nanoclay poly(N-isopropylacrylamide) hydrogel matrix
24	Robert Ramji	2	Computational collaborations in IRG-2: Conjugated Polymers, Polyurethanes, and Cyano-gel ELMS
25	Sergio Correal Lopez	1	Probing the Electrode-Electrolyte Interface in Copper Electrodeposition: Insights from First-Principles Calculations
26	Varun Ramaprasad	SuperSeed	Terahertz plasmonic response in a sub-wavelength disk array of a three-dimensional Dirac Semimetal Cadmium Arsenide
27	Yufei Wang	1	Self-Assembly of Nanocrystal Checkerboards via Non-Specific Interaction