

## Guide to Posters in Gather.Town

Poster numbers are grouped based on their location in the gather.town space. Posters are interactable by clicking x on the keyboard.

### Energy & Catalysis: Poster # 1-10

### Biological and Biomedical: Poster #11-23

### Soft Matter #1: Poster # 24-35

### Soft Matter #2: Poster #36-46

Poster #	Presenter Name	Title
1	Chao Lin	Investigation of Rh-titanate (ATiO <sub>3</sub> ) interactions on high-surface-area perovskites thin films prepared by atomic layer deposition
2	Yanghang Huang	Miniature high energy density primary zinc air battery
3	Julian Paige	Enhancing the Activity of Perovskite Anodes with low metal loadings via ALD
4	Anthony Curto	Guiding Cobalt Oxide Nanoparticle Design for Energy Applications using DFT
5	Noah McQueen	Magnesium Oxide Looping for Direct Removal of CO <sub>2</sub> from the Atmosphere
6	Benjamin A. Paren	Cation transport through ionic layers in sulfonated crystalline telechelic polyethylenes
7	Yichen Ji	Dehydra-decyclization of tetrahydrofurans to diene monomers over metal oxides
8	Luke Johnson	Computational Study of Tuned 2D MXene Materials as New Age Catalysts through First Principle Calculations and Data Driven Discovery
9	Abhinav S. Raman	Designing catalysts for electrochemical water-splitting: A first-principles approach
10	Maxwell Piscotta	Innovation Pathways to Decarbonize Kiln and Furnace Technology
11	Sahla Syed	The nuclear to cytoplasmic ratio directly regulates zygotic transcription in Drosophila through multiple modalities
12	Kevin Trigani	Fibrin Attenuates Sorting of Phosphatidylserine Exposing Platelets During Clotting Under Flow
13	Jennifer Crossen	Thermal shift assay to probe melting of thrombin, fibrinogen, fibrin monomer, and fibrin: Gly-Pro-Arg-Pro induces a fibrin monomer-like state in fibrinogen
14	Yiyuan (Daniel) Zhang	The de-thrombotic effect of N-acetylcysteine is induced by the interaction with von Willebrand Factor and the inhibition of platelets.
15	Hao (Dennis) Deng	Dynamic gene control through interallelic interactions in Drosophila embryos
16	Kaushik Shankar	A 3D Multiscale Framework for Patient-Specific Prediction of Platelet Aggregation Under Flow
17	Sarah Hyun Ji Kim	CD4+ T lymphocytes migrate upstream on substrates with varying stiffness
18	Adam Suppes	Effect of patterning of ICAM-1 on the Upstream Migration of CD4+ T-Cells Under Shear Flow
19	Manasvita Vashisth	Scaling concepts in 'omics: nuclear lamin-B scales with tumor growth and predicts poor prognosis, whereas fibrosis can be pro-survival
20	Reshma Kalyan Sundaram	The role of c-MYC induced cellular reprogramming in mechanosensing and stress-response of cancerous cells
21	Michael DeCortin	Core and shell platelets of a thrombus: A new microfluidic assay to study mechanics and biochemistry
22	Lilia Escobedo	Characterizing Hydrophilic Surface Patches on Proteins for Non-Fouling Surfaces
23	Jason Chen	Establishing the transient mass balance of thrombosis under flow
24	Bharath Venkatesh	Patterned Nanocomposite Films via Leaching-enabled Capillary Rise Infiltration (LeCaRI)
25	Entao Yang	Dynamical Decomposition in Model Polymer Nanocomposites under Creep
26	Jiayi Deng	A Gallery of Trajectories for Motile Bacteria at Fluid Interfaces
27	Alex (Jingyu) Wu	Large-scale On-chip Manufacturing of Granular Hydrogels
28	Giuseppe Di Vitantonio	Bicontinuous biphasic emulsion gels for catalysis and separation applications
29	Alex Moore	Effects of intermolecular interactions and internal degrees of freedom in simulated vapor deposited glass films
30	Wilfredo Mendez	Assembly of Polyelectrolyte-Nanoparticle Membranes at Water-water interfaces
31	Jessica O'Callaghan	Enzyme-powered surface-adherent protocells from double emulsion-templated polymersomes
32	O. Qaboos Imran	Nanoscale Thickness Control of Nanoporous Films Derived from Directionally Photopolymerized Mesophases
33	Anastasia Neuman	Effect of Extreme Nanoconfinement on the Thermodynamics of Multiphasic Nanocomposite Coatings
34	Jinseok Park	Nanoscale Morphologies and Ionic Conductivities of Precisely Segmented Polyethylene Sodium-Sulfonates
35	Yiwei Qiang	Polymer-infiltrated Nanoplatelets Films via Flow Coating and Capillary Rise Infiltration (CaRI)
36	Katie Rose	pH mediated nanoparticle dynamics in nanocomposite hydrogels
37	Tiancheng Wang	Scalable Manufacturing of Hierarchical Biphasic Bicontinuous Structures via Vaporization Induced Phase Separation (VIPS)
38	Joseph Rosenfield	Controlling the Emulsion Type Using Adjustable Polyelectrolyte-Surfactant Complexes
39	Tianren Zhang	The roles of blending and thickness on determining the mechanical properties of free standing ultrathin films
40	Joe (Paradorn) Rummaneethorn	Contactless, Reversible Droplet Contact Angle Modulation by Space Charge Injection
41	Alismari Read	Dimerization and structure formation of colloids via capillarity at curved fluid interfaces
42	Shawn Maguire	Surface Segregation and Wetting of Grafted Nanoparticles in Polymer Nanocomposite Films
43	Christian Tabezki	Exploring Core-shell Bottlebrush Copolymer Architecture's Effect on the Block Copolymer Phase Diagram
44	Tianyi Yao	Directed Assembly and Micromanipulation of Passive Colloids in Nematic Liquid Crystals
45	Amruthesh Thirumalaiswamy	Soft glassy dynamics and rheology: A damped soft-sphere model
46	Haonan Wang	Effect of nanopore geometry in the conformation and vibrational dynamics of a highly-confined molecular glass