

Poster session can be accessed here: <https://gather.town/app/3oETiNHYAHVMIUg/SystemsChemistry>

Categories: **1** = Dissipative self-assembly, **2** = Active phase separation, **3** = Systems Chemistry Materials

#	Category	Title	Name	Organization
1	1	Prebiotic RNA Ligation: Chemistry, Catalysis and Compartmentalization	Saurja DasGupta	Harvard Medical School
2	1	Multi-responsive systems of coordination cages	Elie Benchimol	TU Dortmund
3	1	Spatiotemporal patterns in the autocatalytic hydrogenase reaction	Emese Lantos	U. of Szeged
4	1	A New Autonomous Molecular Motor	Ben Roberts	U. of Manchester
5	1	Time-Dependent Switching in Self-Sorted Macrocycles & Cages: Kinetics vs Thermodynamics	Zhaozheng Yang	U. de Strasbourg (I.S.I.S.)
6	1	Insights from an information thermodynamics analysis of a synthetic molecular motor	Emanuele Penocchio	U. of Luxembourg
7	1	Reciprocal Coupling in Chemically Fueled Assembly	Brigitte Kriebisch	TU Munich
8	1	Fuel-Driven Dynamic Combinatorial Libraries	Christine Kriebisch	TU Munich
9	1	Light Driven Ecological-Evolutionary Dynamics of Synthetic Replicators	Kai Liu	U. of Groningen
10	1	Chemical fueling of a foldamer from a self-replicator	Ankush Sood	U. of Groningen
11	1	Proton pumping of deposited purple membranes	Jacqueline Figuiredo da Silva	IBM Research Laboratory- Zurich
12	1	Supramolecular-Guided Organization and Reorganization in Mixed-Ligand M12L24 Nanospheres	Tessel Bouwens	U. of Amsterdam
13	1	Regulating chemically fueled peptide assemblies by molecular design	Kun Dai	TU Munich
14	1	Enhanced catalytic activity under non-equilibrium conditions	Rui Chen	U. of Padova
15	1	Untangling the operation hydrolysa of a light-driven phenylazoimidazolium out-of-equilibrium molecular machine	Marina Tranfić Bakić	U. of Bologna, Italy
16	1	Metal Cation-Driven Dynamic Covalent Formation of Imine and Hydrazone Ligands Displaying Synergistic Co-catalysis and Auxiliary Amine Effects	Meixia He	Université de Strasbourg (I.S.I.S.)
17	1	Novel sensitive fluorescence-based techniques to study fibril formation processes implicated in neurodegenerative diseases	Lacey Chunilal	NanoTemper Technologies GmbH
18	1	Fueling DNA Self-assembly via Gel-released Regulators	Jenny Le	U. of California, Los Angeles
19	1	An Autonomous Chemically fuelled Small-Molecule Pump	Shuntaro Amano	U. of Manchester
20	2	Engineering of biological cell membranes \u2013 pH-driven formation of lipid rafts	Emilia Krok	Poznan U. of Technology
21	2	Bioinspired Liquid-Liquid Phase Separation for Reactive Systems	Andreas Küffner	ETH Zürich
22	2	Can a biomimetic cell membrane be visualized using a fluorescence-free approach?	Hanna Orlikowska	Poznan U. of Technology
23	2	Programmable zwitterionic droplets as biomolecular sorters and model of membraneless organelles	Umberto Capasso Palmiero	ETH Zurich
24	1	Dynamic Equilibria in Fluorescent Ternary Host Guest Complexes	Julius Gemen	Weizmann Institute of Science
25	2	Sequestration within biomolecular droplets can inhibit amyloid formation	Paolo Arosio	ETH Zurich
26	2	Dynamic arrest and aging of biomolecular droplets are regulated by biochemical activity	Miriam Linsenmeier	ETH Zurich
27	2	Liquid-like DNA Droplets via Temperature-Induced Phase Separation	Wei Liu	U. of Mainz
28	2	Emulsions of hydrolysable oils for zero order drug release	Laura Tebcharani	TU Munich
29	1, 2	Dual Enzyme-powered Chemotactic Amylobots	Souvik Ghosh	Indian Institute of Science Education and Research (IISER) Kolkata
30	1, 2	Cross-beta Amyloid Nanotubes as Fluorescent Microswimmers	Ayan Chatterjee	IISER Kolkata
31	3	Band gap engineering and gas adsorption in thienyltriazine based conjugated porous polymers of tuneable porosities	Neha Rani Kumar	Dhemaji College Dibrugarh U
32	3	Membrane-Targeted Helical Oligoalanines for Protein Cytosolic Delivery	Marta Pazo Pascual	U. of Santiago de Compostela
33	3	-	Benjamin Spitzbarth	Delft U. of Technology
34	3	Hybrid organic materials for protein interaction, new diagnostic systems for the metastasis process recognition	Iván Gallego Gómez	Universidad de Santiago de Compostela
35	3	Temporal Programming of Chemo-Structural Feedback in pH-Driven Transient Co-Assemblies of Microgels	Charu Sharma	Johannes Gutenberg U. of Mainz
36	3	Design and applications of a soft fluidic device: from concentration gradients to Turing patterns	Brigitta Dúzs	Eötvös Loránd University
37	3	Engineering of enzyme biosensors for signal amplification and ultrasensitivity	Ludovica Luongo	U. of Sheffield
38	1, 3	Spatiotemporal control of chemical reaction network for bioinspired artificial bacterial biofilm	Maheen Rana	U. of Sheffield
39	1, 3	Chemically fueled three-state chiroptical switching supramolecular gel with temporal control	Enzo Olivieri	Aix-Marseille-University
40	3	Peptide Fibers Locally Positioned in Droplets Using Microfluidics	Alejandro Méndez-Ardoy	Universidade Santiago de Compostela
41	1, 3	Chemically Fueled Block Copolymer Self-Assembly into Transient Nanoreactors	Michaela Würbser	TU Munich
42	3	Lipid diffusion indicates local hydration in biomembranes	Madhurima Chattopadhyay	Poznan U. of Technology
43	3	Dry Method for ferrate preparation	Bennacer Nour El Houda	U. of BLIDA 1
44	1, 3	Chemoenzymatically Steered Transience in Tandem Nanozymes	Saurav Das	Indian Institute of Technology Guwahati
45	3	Systems Adaptation in Peptide Ensembles	Ankit Jain	City U. of New York Advanced Science Research Center
46	3	Supramolecular Fibrillation of Peptide Amphiphiles Induces Environmental Responses in Aqueous Droplets	Ignacio Insua	U. of Santiago de Compostela
47	3	Hierarchical self-assembly of cyclic peptides from 1D to 2D	Sandra Natalia Díaz Arias	Universidade de Santiago de Compostela
48	2, 3	Protocells and Surface-adhered Biomembrane Networks	Ruslan Ryskulov	Chalmers U. of Technology
49	1, 3	Driving the Transient Self-Assembly of DMAP-functionalized Nanoparticulate Building Blocks within a Chemical Reaction Cycle	Maren Weißenfels	Weizmann Institute of Science
50	3	Reorganization of self-assembled DNA-based polymers	Serena Gentile	U. of Rome "Tor Vergata"
51	1, 3	Dissipative toehold-mediated DNA strand displacement reaction for DNA structures reconfiguration	Erica Del Grosso	U. of Rome Tor Vergata
52	2, 3	Autocatalytic reaction network that produces active coacervates	Anton Hanopolskyi	Weizmann Institute of Science
53	3	Wave Formation From Non-equilibrium Organic Oscillatory Reaction Networks	Arpita Paikar	Weizmann Institute Of Science
54	1, 3	Cyclic Peptides' Self-Assembly Controlled by Chemical Reaction Network	Anastasiia Sharko	U. of Strasbourg
55	3	Modeling Enzymatic Signal Amplification Reaction Network for miRNA Detection	Ardeshir Roshanasan	TU Delft
56	3	Rhodamine as the functional Chemosensory material for selective Detection of various analytes	Kanhu Charan Behera	CSIR- Institute of Minerals and Material Technology
57	3	Tendon-inspired hierarchically structured hydrogel of ultra-high strength and toughness	Ximin He	U. of California, Los Angeles
58	1, 3	A Synthetic Self-Organizing System	Mitch Winkens	Radboud University
59	3	Effects of turn-structure on folding and entanglement in artificial molecular overhand knots	Zoe Ashbridge	U. of Manchester
60	3	Minimalistic Peptide-based Virus Mimetics	Patrizia Janković	U. of Rijeka, Department of Biotechnology
61	3	NANO adsorbent	Mahdi Shahrestani	ITM University
62	3	Generation of Catalytic Proto Nucleobase Supramolecular Assemblies Under Non-Equilibrium Conditions	Syed Pavel Afrose	Indian Institute of Science Education and Research Kolkata
63	3	Emergence of a Promiscuous Peroxidase under Non-equilibrium Conditions	Sumit Pal	IISER Kolkata
64	3	Conjugated Supramolecular Polymers to Engineer Electronically and Structurally Well-Defined Nanoscale Objects	Jean-Hubert Olivier	U. of Miami, FL, USA
65	3	Magnetic nanoparticle	Rahman Yousofi	ITM university
66	3	Growing and shaping peptide-based metal-organic framework single crystals at the millimetre scale	Alessandro Sorrenti	U. de Barcelona
67	2, 3	Engineering Dynamic Nucleic Acid Nano Systems in Cell-Sized Compartments Poster	Passa Pungchai	U. of California, Los Angeles
68	1, 3	A Minimal Oscillatory Gel Interlinked via Positive and Negative Feedback Loops	Antara Reja	IISER Kolkata
69	1, 3	Chemically Fueled Self-Sorted Hydrogels	Nishant Singh	U. de Strasbourg (I.S.I.S.)
70	1, 2	Active Coacervate Droplets as a Model for Membraneless Organelles and Protocells	Carsten Donau	TU Munich
71	1, 2	Molecular Design of Chemically Fueled Peptide-Polyelectrolyte Coacervate-Based Assemblies	Fabian Späth	TU Munich