

Paper Number	Paper Title	First Name	Last Name	Affiliation
12l	Engineering the Molecular Interactions for Biomedical Applications	Handan	Acar	University of Chicago
12m	Interfacing Cells and Materials for Advanced Delivery Systems	Aaron C.	Anselmo	Massachusetts Institute of Technology
12w	Microfluidic Technologies in High-Throughput Chemical Screens to Decipher Genetic Basis of Behavior and Development in <i>C. Elegans</i>	Guillaume	Aubry	Georgia Tech
12am	Understanding and Improving Biomanufacturing in Chinese Hamster Ovary Cells through New Gene Expression and Systemic Cell Engineering Platforms	Jong Youn	Baik	
12s	Microfluidic Line of Attack to Comprehend Biological Systems	Swastika S.	Bithi	Texas Tech University
12c	Understanding and Controlling Protein Stability from Coarse-Grained Protein Models	Marco A.	Blanco	
12p	Harnessing Diverse Microorganisms for Biochemical Production	Jason T.	Boock	Cornell University
12f	Increasing the Scale and Rate of Metabolic Engineering through Systems Synthetic Biology	Nathan	Crook	The University of Texas at Austin
12ab	Engineering Intelligently Designed Nano- and Microparticles to Control Interactions with the Immune System	Catherine A	Fromen	University of Michigan
12ad	Bacterial Biofilms: From the Built Environment to Human Diseases	Huan	Gu	Syracuse University
12h	<i>Engineering Micro-Flows: Integrated Experimental-Computational Approach</i>	Hamed	Haddadi	University of California
12k	Biomaterials and Stem Cell-Based Therapeutics	Donny	Hanjaya-Putra	Harvard Medical School
12j	Predicting the Aggregation Behaviour in Biopharmaceuticals	Sarah	Hedberg	Imperial College London
12i	Engineering the Spatial Organization of Proteins for Applications in Synthetic Biology and Beyond	Christopher	Jakobson	University of California, Berkeley
12v	Towards Treatment of Neurodegenerative Disorders through Nanoparticle Mediated Enzyme Replacement Therapy	Jessica	Kelly	Auburn University
12z	Yeast Cell Factories: Construction of Platform Strains and Development of Synthetic Biology Tools	Jiazhang	Lian	University of Illinois at Urbana Champaign
12b	Enhancer-Mediated Regulation of Transcriptional Bursting	Bomyi	Lim	Princeton University
12n	Engineering Proteins for Magnetic Resonance Imaging at Molecular and Atomic Resolutions	George J.	Lu	California Institute of Technology
12x	Engineering and Physical Sciences in Oncology: Tumor Cell Adhesion and Treatment in Blood and Bone Marrow	Michael J.	Mitchell	MIT
12o	Molecular Engineering for Cellular Imaging: From Fluorescence to Magnetic Resonance	Arnab	Mukherjee	California Institute of Technology
12g	Designing Novel Interfaces to Control Beneficial and Pathogenic Microbes	Tagbo H.R.	Niepa	University of Pennsylvania
12ai	Novel Bio-Ionic Liquid Functionalized Conductive Hydrogel	Iman	Noshadi	Harvard University
12ac	Distinct Locations of Lipid Droplet Biogenesis on the Endoplasmic Reticulum Are Driven By Neutral Lipid Content	Zuania	Pacheco del Rio	University of Tennessee - Knoxville
12al	Engineering Surfaces through Sequential Stop-Flow Photopatterning	Christian W.	Pester	
12q	Systems Biology and Systems Pharmacology Approaches to HIV Infection and TB/HIV Co-Infection	Elsje	Pienaar	University of Michigan
12aj	Biological Applications of Fluctuation Solution Theory	Elizabeth	Ploetz	
12u	Engineering Proteins and Metabolic Pathways for Biomedical, Bioenergy, and Biomaterial Applications	Maryam	Raeeszadeh-Sarmazdeh	University of Delaware
12a	Deconstructing the Tumor Microenvironment and Its Contribution to Metastasis	Marjan	Rafat	Stanford University

12aa	Engineering Immune Development By Recapitulating Tissue Microenvironments	Nisarg J.	Shah	Harvard University
12ag	Structure-Guided Protein Engineering for Targeted Immunotherapy	Jamie B.	Spangler	Stanford University School of Medicine
12r	Engineering the Plant Microbiome to Complement Host Phenotype	Collin M.	Timm	Oak Ridge National Laboratory
12t	Biotechnological and Health Applications of Multiscale ME (Metabolism and protein Expression) Models	Laurence	Yang	University of California, San Diego
12y	The Effect of Infusion Position on Convection-Enhanced Delivery of Anticancer Drugs to Remnant Brain Tumour after Surgery	Wenbo	Zhan	National University of Singapore
12af	Modulating Antigen-Specific T Cell Immunity with Biomaterials-Based Vaccine	Peipei	Zhang	University of Maryland
12e	Microbial Biosynthesis of Bioorthogonal Functionalities and Applications	Xuejun	Zhu	UC Berkeley