



| Date | Time | Track | Presentation Title | Speaker |
|-------|------------------|---------------------------|---|---|
| 2-Nov | 06:00 - 07:00 AM | CRISPR in Disease Therapy | From Bench to Bedside: Targeted Gene Editing | Jennifer Bennett, PhD Product Manager, MilliporeSigma |
| 2-Nov | 07:30 - 08:30 AM | CRISPR in Diagnostics | Keynote Presentation: Engineered LwaCas13a with Enhanced Collateral Activity for Nucleic Acid Detection | Xue Sherry Gao, PhD Ted N. Law Assistant Professor, Department of Chemical and Biomolecular Engineering, Rice University |
| 2-Nov | 09:00 - 10:00 AM | CRISPR in Diagnostics | Keynote Presentation: CRISPR-Powered Multiplexed Biosensor for Point-of-Care Management of Infectious Diseases with Live Q&A | Can Dincer, PhD Junior Research Group Leader, University of Freiburg, Department of Microsystems Engineering-IMTEK |
| 2-Nov | 10:30 - 11:30 AM | CRISPR Biology | Panel Presentation: New Molecular Technologies for Genome Editing and Cell Control | Omar Abudayyeh, PhD Fellow, McGovern Institute for Brain Research at MIT Jonathan Gootenberg, PhD Fellow, McGovern Institute for Brain Research at MIT |
| 2-Nov | 12:00 - 01:00 PM | CRISPR Biology | Innovative Tools for Efficient CRISPR-Cas Genome Engineering | Gavin Kurgan, PhD Bioinformatics Applications Manager, Integrated DNA Technologies |
| 2-Nov | 06:00 - 06:00 AM | CRISPR in Diagnostics | A CRISPR/Cas12a-Assisted in Vitro Diagnostic Tool for Identification and Quantification of Single CpG Methylation Sites | Nienke van Dongen, MSc Postdoctoral Research, BIOS Lab on a chip Group, University of Twente |
| 2-Nov | 06:00 - 06:00 AM | | A Lab-on-a-Chip for the Concurrent Electrochemical Detection of SARS-CoV-2 Nucleic Acids and Anti-SARS-CoV-2 Antibodies in Saliva | Devora Najjar, PhD Research Assistant, MIT Media Lab (Under Prof. Joe Paradiso) and (Prof. Jim Collins/Wyss Institute) |
| 2-Nov | 06:00 - 06:00 AM | CRISPR Biology | CRISPR Base Editor and Prime Editor Toolbox and Applications | Prof. Cihan Taştan, PhD Founder and Managing Director, hiDNA |
| 2-Nov | 06:00 - 06:00 AM | CRISPR in Diagnostics | CRISPR-based Microfluidic Biosensing Systems for Molecular Diagnostics | Changchun Liu, PhD Associate Professor, Department of Biomedical Engineering, University of Connecticut Health Center |

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| 2-Nov | 06:00 - 06:00 AM | CRISPR in Diagnostics | CRISPR/Cas-Enabled Paper Microfluidics Device for Rapid Diagnosis | Zhugen Yang, PhD Senior Lecturer in Sensor Technology, School of Water, Energy and Environment, Cranfield University, UK |
| 2-Nov | 06:00 - 06:00 AM | CRISPR in Diagnostics | Detecting Viruses with CRISPR | Cameron Myhrvold, PhD Assistant Professor of Molecular Biology, Princeton University |
| 2-Nov | 06:00 - 06:00 AM | | Dynamics and Mechanisms of CRISPR-Cas9 Through the Lens of Computational Methods | Giulia Palermo, PhD Computational Biophysicist, Assistant Professor; University of California Riverside, Department of Bioengineering and Chemistry |
| 2-Nov | 06:00 - 06:00 AM | CRISPR in Disease Therapy | Functional Genomic Interrogation of Tumor Evolution | Kris C. Wood, PhD Associate Professor, Department of Pharmacology and Cancer Biology, Duke University |
| 2-Nov | 06:00 - 06:00 AM | CRISPR in Diagnostics | Minimally Instrumented SHERLOCK (miSHERLOCK) for CRISPR-Based Point-of-Care Diagnosis of SARS-CoV-2 and Emerging Variants | Helena de Puig, PhD Postdoctoral Fellow in James Collin's Laboratory, Wyss Institute for Biologically Inspired Engineering, Harvard University |
| 2-Nov | 06:00 - 06:00 AM | CRISPR in Disease Therapy | Precise Therapeutic Genome Editing with Engineered, PAM Flexible Orthogonal CRISPR Proteins | Debojyoti Chakraborty, PhD Principal Scientist, EMBO Young Investigator, CSIR- Institute of Genomics and Integrative Biology |