



| Date | Time | Track | Presentation Title | Speaker |
|-------|------------------|------------------------------------|--|--|
| 3-Oct | 06:00 - 07:00 AM | CRISPR-Cas Immunity | Identification of Pre-existing Adaptive Immune Responses to Cas9 in Humans | Carsten Charlesworth, PhD PhD Student in Stem Cell Biology and Regenerative Medicine, Stanford University |
| 3-Oct | 07:30 - 08:30 AM | Clinical Applications | Keynote Presentation: Measurements and Standards to Support Confidence in Genome Editing | Samantha Maragh, PhD Leader, Genome Editing Program, National Institute of Standards and Technology (NIST) |
| 3-Oct | 09:00 - 10:00 AM | Functional Genomics/Bioinformatics | CRISPRseek and GUIDEseq for Design of Target-Specific Guide RNAs in CRISPR-Cas9 Genome-Editing Systems | Lihua Julie Zhu, PhD Professor and Director of Bioinformatics Core, University of Massachusetts Medical School |
| 3-Oct | 09:00 - 10:00 AM | CRISPR-Cas Immunity | Design, Edit, Analyze and Maximize Your CRISPR-Cas9 Editing Efficiency | Kevin Holden, PhD Head of Science, Synthego |
| 3-Oct | 10:30 - 11:30 AM | | Can We Use CRISPR-Cas9 as a Eukaryotic Immune System? A Case Study in the Orphan Crop Plant, Cassava | Devang Mehta, PhD Post Doctoral Fellow, University of Alberta |
| 3-Oct | 10:30 - 11:30 AM | Agricultural Engineering | Integrating Novel Advances in Gene Delivery and Genome Engineering for Therapeutic Application | David Schaffer, PhD Professor of Chemical and Biomolecular Engineering, Department of Bioengineering, Director of the Berkeley Stem Cell Center, University of California at Berkeley |
| 3-Oct | 12:00 - 01:00 PM | CRISPR-Cas Immunity | Mechanisms of CRISPR-Cas Systems: From Adaptive Immunity to Biotechnology | Dipali Sashital, PhD Assistant Professor, Department of Biochemistry, Biophysics and Molecular Biology, Iowa State University |

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| 3-Oct | 12:00 - 01:00 PM | Clinical Applications | Using CRISPR and Stem Cells to Treat Genetic Disease | Bruce Conklin, MD Senior Investigator, Gladstone Institute of Cardiovascular Disease, Professor Department of Medicine, Division of Genomic Medicine, University of California, San Francisco |
| 3-Oct | 01:30 - 02:30 PM | Functional Genomics/Bioinformatics | Whole-Genome Identification of CRISPR Targets | Dimitri Perrin, PhD Senior Lecturer, Science and Engineering Faculty, Electrical Engineering, Computer Science, Data Science, Queensland University of Technology |