CRISPR
October 3, 2018

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

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