Date	Time	Track	Presentation Title	Speaker
30-Sep	06:00 - 07:00 AM	CRISPR Applications in Biomedicine and Agriculture	Enhancing efficiency and specificity with improved CRISPR components and a new CRISPR analysis pipeline	Ashley Jacobi Sr. Staff Scientist
30-Sep	07:30 - 08:30 AM	CRISPR Applications in Biomedicine and Agriculture	Keynote Presentation: Functionalizing Genome Editing Techniques on a Broad Range of Cellular Targets	Shondra Miller, PhD/Director Assistant Member, Center for Advanced Genome Engineering (CAGE), St. Jude Children's Research Hospital, Department of Cell and Molecular Biology
30-Sep	09:00 - 10:00 AM	CRISPR Applications in Biomedicine and Agriculture	Massively parallel microbial genome engineering using the Onyx™ Platform	Nandini Krishnamurthy, PhD VP Applications Development, Inscripta
30-Sep	10:30 - 11:30 AM	CRISPR Applications in Biomedicine and Agriculture	Straightforward CRISPR knockout: Leveraging predesigned synthetic sgRNAs for highly functional and specific gene knockout	James Goldmeyer, PhD Product Manager at Horizon Discovery
30-Sep	12:00 - 01:00 PM	CRISPR Applications in Biomedicine and Agriculture	Efficient Generation of Gene-edited Mouse Models and Cell Lines Using Synthetic sgRNA	Gurpreet Balrey, PhD Head of Business for EMEA, Merck KGaA Peter Romanienko, PhD Managing Director of the Genome Editing Core Facility; Rutgers Cancer Institute of New Jersey
30-Sep	01:30 - 02:30 PM	Development and Classification of CRISPR systems	Harnessing novel CRISPR systems for genome engineering	Omar Abudayyeh, PhD Fellow, McGovern Institute for Brain Research at MIT Jonathan Gootenberg, PhD Fellow, McGovern Institute for Brain Research at MIT
30-Sep	12:00 - 12:45 AM	CRISPR Applications in Biomedicine and Agriculture	An Automated Integrated Multiple Assay Platform utilizing CRISPR-based Transistors for CRISPR Quality Control Applications	Kiana Aran, PhD Co-Founder and CSO, Cardea Bio

30-Sep	12:00 - 12:45 AM	CRISPR Applications in Biomedicine and Agriculture	Applying targeted long-read sequencing to assess an expanded repeat in C9orf72	Marka van Blitterswijk, MD, PhD Assistant Professor of Neuroscience, Mayo Clinic
30-Sep	12:00 - 12:45 AM	CRISPR Applications in Biomedicine and Agriculture	CRISPR/Cas9 as a tool to model and study cancer - insights and lessons learned	Grace R. Anderson, PhD Scientist, Octant
30-Sep	12:00 - 12:45 AM	CRISPR for Addressing COVID-19 Pandemic	Elucidation of remdesivir cytotoxicity pathways through genome-wide CRISPR-Cas9 screening and transcriptomics	Minja Velimirovic, MSc, PhD Candidate Laboratory of Dr. Richard Sherwood Division of Genetics, Brigham and Women's Hospital and Harvard Medical School
30-Sep	12:00 - 12:45 AM	CRISPR Applications in Biomedicine and Agriculture	In vivo delivery of Cas9 ribonucleoprotein and donor DNA with gold nanoparticles	Niren Murthy Professor of Bioengineering, University of California at Berkeley
30-Sep	12:00 - 12:45 AM	CRISPR Applications in Biomedicine and Agriculture	Long-read sequencing reveals unforeseen CRISPR-Cas9 activity	Adam Ameur Associate Professor and Senior Bioinformatician, SciLifeLab, Uppsala University, Sweden
30-Sep	12:00 - 12:45 AM	CRISPR Applications in Biomedicine and Agriculture	Measuring Outcomes of CRISPR Experiments & Leveraging Cas9 for Targeted Sequencing	Jonas Korlach, PhD Chief Scientific Officer, Pacific Biosciences