

Date	Time	Track	Presentation Title	Speaker
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 Ameer 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
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 pre-designed 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