TIME	The Festival of Genomics & Biodata • Day 1 Agenda • June 12th, 2024
	Plenary Keynote Sessions
9:25	**Opening Remarks**
9:30	**Radical Health: The Largest Paradigm Change Ever in Medicine** **Leroy Hood**, CEO, **Phenome Health**
10:00	**Imagine Genomics Research Powered by Single Cell and Spatial** **Jeff Bylund**, Senior Spatial Science and Technology Advisor, **10x Genomics**
10:30	**Fireside Chat: The 500 Year Survival Plan** **Christopher Mason**, Professor, **Weill Cornell Medicine**
11:10	**Break**

		MAIN STAGE		BIODATA STAGE		LIVE LOUNGE		DISCOVERY STAGE		SINGLE CELL & SPATIAL STAGE		OMICS STAGE		INNOVATION STAGE		GENOME DOME		ROOM 050
11:40	ADVANCES IN SEQUENCING	More details to be announced shortly - **Isabelle Thiffault**, Director of Translational Genomics, **Genomic Medicine Center, Children's Mercy Hospital**	DATA SHARING, ACCESS & SECURITY	**NIH Genomic Data Sharing (GDS) Policy to Ensure the Broad and Responsible Sharing of Large-Scale Human or Non-Human Data** - **Julia Slutsman**, Director, **NIH**	CANCER GENOMICS	**Next-Generation MRD Assays: Do We Have the Tools to Evaluate Them Properly?** **Dan Stetson**, Director, **AstraZeneca**	AI, BIG DATA AND DRUG DISCOVERY & DEVELOPMENT	More details to be announced shortly	ADVANCES IN SINGLE-CELL ANALYSIS	**Precision Medicine through a Single-Cell Lens** **Virginia Savova**, Senior Director & Global Head of Single-Cell Biology, **Sanofi**	MULTI-OMICS	**Methods to Identify and Understand AAV Vector Integration** **Tom Lanz**, Senior Director of Multi-Omics and Biomarkers, **Pfizer**	GENOMICS IN WOMEN'S HEALTH	**Using Big Data to Refine Risk Prediction for Menstrual Cycles & PCOS** **Shruthi Mahalingaiah**, President & Physician, **Mass General Brigham**	ROUNDTABLE DISCUSSION		WORKSHOP	
12:10		Sponsored slot available		More details to be announced shortly - Sponsored by **Watershed Informatics**		Sponsored slot available		More details to be announced shortly - **Abhishek Jha**, CEO & Co-founder, **Elucidata**		More details to be announced shortly - Sponsored by **Parse Biosciences**		**Reserved** - More details to be announced shortly		**Pediatric Features of Genetic Predisposition to Polycystic Ovary Syndrome** - **Jia Zhu**, Instructor in Pediatrics, **Boston Children's Hospital**		**Sequencing Roundtable Discussion** **Miten Jain**, Assistant Professor, **Northeastern University** **Devi Swain Lenz**, Director, Duke Sequencing and Genomics Technologies Core Facility, **Duke University School of Medicine** **Feyza Yilmaz**, Associate Computational Scientist, **The Jackson Laboratory** **Aziz Al'Khafaji**, Associate Director, Methods Development Lab, **Broad Institute of MIT and Harvard**		**Propelling Microbiome Metagenomics Research from the Bedside to the Clinic** **Ran Blekhman**, Associate Professor, **University of Chicago** **Georg Gerber**, Chief, Division of Computational Pathology, **Massachusetts Host-Microbiome Center** **Andrea Ascarate-Peril**, Director, UNC Microbiome Core, **UNC School of Medicine** **Jason Norman**, Senior Director of Systems Biology, **Vedanta Biosciences**
12:40		**Novel Assays and Scaled Genomic Technologies to Accelerate Discovery and Translation** **Niall Lennon**, Director of the Genomics Platform, **Broad Institute of MIT and Harvard**		**Beyond FAIR Data Sharing: Enabling Explorative Analysis of Longitudinal Clinico-Genomic Cancer Datasets in cBioPortal** **Ino de Bruijn**, Bioinformatics Engineer, **Memorial Sloan Kettering Cancer Center**		**Multi-Omics Profiling of Cancer-Associated Fibroblasts for Target Discovery** **Ola Olow**, Director, Computational Biology, **Merck**		**Leveraging AI/ML and Computational Biology in R&D** **Huanyu Zhou**, Senior Director, **Teva Pharmaceuticals**		**Navigating and Advancing the Bioinformatic Landscape of Single-Cell Data Analysis** **David Gallegos**, Scientist II, Investigative Toxicology, **Takeda Pharmaceuticals**		**Global Analysis of Protein Activities Using Proteome Chips** **Mark Gerstein**, Professor of Molecular Biophysics & Biochemistry, **University of Yale**		**AI-Powered Precision Medicine to Improve Outcomes for Those Living with Gynaecologic Cancer** **Nicole St. Jean**, Global Head of Precision Medicine, External Business Strategy Unit, **GSK**				
13:10	**LUNCH & LIVE LOUNGE TALKS**																	
13:15	More details to be announced shortly Sponsored by **S2 Genomics**																	
13:30	**An AI Agent for Generating Bioinformatics Pipelines via Natural Language** **Kevin Allen**, Founder & CEO, **ShireBio**																	
13:45	**Introducing SCREEN-seq: Accelerate Drug Discovery with High-Throughput RNA Sequencing** **Mauro Muraro**, CEO & Co-founder, **Single Cell Discoveries** Sponsored by **Single Cell Discoveries**																	
14:00	More details to be announced shortly Sponsored by **Scale Biosciences**																	

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14:20		**Deeper Dive on Single-Cell Applications of Ultima Technologies** **Aziz Al'Khafaji**, Associate Director, **Methods Development Lab, Broad Institute of MIT and Harvard**		**Preparing for Our Future: Datasharing in the Era of Big Genomics** **Samantha Baxter**, Associate Director, Genetic and Genomic Data Sharing, **Broad Institute of MIT and Harvard**		**A Gene Regulatory Switch Promotes a New Therapeutic Vulnerability in EGFR Inhibitor Drug Tolerant Persister Cells** **Steven Criscione**, Senior Director, Bioinformatics, **AstraZeneca**		**The Value of Multi-omics in Immunology Translational Medicine** **Dawn Waterworth**, Head of Translational Immunomics, **Johnson and Johnson**		**Dissecting Myeloid and T Cells Interaction Niches in the Tumor Microenvironment Using Spatial Transcriptomics** **Ming (Tommy) Tang**, Director of Computational Biology, **Immunitas therapeutics**		**Proteomics as a Drug Development Tool: Promises and Potential Pitfalls** **Chris Whelan**, Director, **Johnson and Johnson**		**CenteringPregnancy, a Cost-Effective and Evidence Based Model of Care for Tertiary Safety-Net Hospital Setting** **Estefany Flores-Godaire**, Director of Centering Prenatal Care, **Boston Medical Center**		**Strategic Evaluation, Implementation & Adoption of New Innovative Technologies to Advance Precision Medicine** **Ioannis Vlachos**, Director of Spatial Technologies, **Beth Israel Deaconess Medical Center** **Marianna Rowlands**, Immunology Therapeutic Area Biomarker Lead, **Novartis** **Olga Vitek**, Professor & Director, Barnett Institute for Chemical and Biological Analysis, **Northeastern University** **Sudeshna Fisch**, Director of Translational Medicine Lead, Translational Clinical Sciences, Discovery & Early Development, **Pfizer** **Angela Hadjipanayis**, Head of Disease Profiling Genomics and Flow Cytometry, **Sanofi**		**Integrating Multi-omics Data: Unravelling Complex Biological Insights** **Jeff Xia**, Associate Professor, Canada Research Chair in Bioinformatics and Big Data Analytics, **McGill University** **Richard Virgen-Slane**, Principal Computational Toxicologist, **Pfizer** **Baohong Zhang**, Senior Director & Head of Translational Data Science, **Biogen** **Tesfaye B. Mersha**, Professor, **Cincinnati Children's Hospital Medical Center**
14:50	SEQUENCING	More details to be announced shortly - Sponsored by **Ultima Genomics**	BIG DATA SHARING & FEDERATED PLATFORMS	More details to be announced shortly - **Maria Dunford**, CEO & Founder, **Lifebit** Sponsored by **Lifebit**	CANCER GENOMICS	**Spatial Transcriptomics Reveals Segregation of Tumor Cell States in Glioblastoma and Marked Immunosuppression within the Perinecrotic Niche** **Miko Liu**, PhD Candidate, **Duke University**	OMICS IN DRUG DISCOVERY & DEVELOPMENT	Sponsored slot available	GRANULAR INSIGHTS FROM SINGLE-CELL AND SPATIAL	More details to be announced shortly - Sponsored by **Element Biosciences**	PROTEOMICS IN DRUG DEVELOPMENT	More details to be announced shortly - Sponsored by **Quantum-Si**	PRE-NATAL & NEONATAL TESTING	**Comprehensive Non-Invasive Prenatal Screening** **Michael Duyzend**, Attending Physician, Division of Genetics & Genomics and Maternal Fetal Care Center, **Boston Children's Hospital**	ROUNDTABLE DISCUSSION		WORKSHOP	
15:20		**High Accuracy Somatic Variant Calling on Ultima Genomics Facilitates Detailed Phylogenetic Reconstruction Across Metastatic Tumor Samples** **Julian Hess**, Computational Biologist, **Broad Institute of MIT and Harvard**		**The "All of Us" Research Program: NIH's Plan to Build a Million Person Health Metric Database** **Andrea Ramirez**, Chief Data Officer, **All of Us Research Program**		**Tackling the Data Challenges in Cancer Research: From Strategy to Implementation** **Xuelu (Jeff) Liu**, Director, Data Management & Strategy, **Dana-Farber Cancer Institute**		**Human Genetic Evidence Informs Drug Targets for Asthma and COPD** **Paola Bronson**, Associate Director, **GSK**		**Integrating Single-Cell Omics into Clinical Research** **Asaf Rotem**, Senior Director, Translational Medicine, **AstraZeneca**		More details to be announced shortly - **Satya Saxena**, Director, Global Proteomics, **Eisai**		**Implementing BeginNGS: A Scalable Platform for Newborn Sequencing** **Meredith Wright**, Genomics Development Scientist, **Rady Children's Institute for Genomic Medicine**				
15:50	**Break**																	

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16:20		**Improving Bacterial Disease in Public Health Testing with Nanopore Sequencing** **Kimberlee Musser**, Clinical Director, **Wadsworth Center, New York State Department of Health**		**Sanofi's Genetic Data Lake for Supporting Target Discovery and Disease Prioritization** **Clement Chatelain**, Head of Human Genetics and Genomics, **Sanofi**		**The Epigenetic Regulation of Extra Chromosomal Circular DNA** **Richard Koche**, Director, Computational Epigenetics, **Memorial Sloan Kettering Cancer Center**		**Unraveling Mechanisms of Resistance to CDK4/6i With the Power of ML Approaches and RWE Clinico-Genomics Data** **Jadwiga Bienkowska, Senior Director, Head of Computational Biology R&D, Pfizer**		**Bridging the Gap in Multi-omics Profiling: From the Research Lab to the Clinic** **Paloma Cejas**, Head of Innovation, Center for Functional Cancer Epigenetics, **Dana-Farber Cancer Institute**		**Technology Development for High-Throughput Proteomic Analysis of Clinical Samples in Paraffin Embedded Tissue** **Shankha Satpathy**, Senior Group Leader, **Broad Institute of MIT and Harvard**		**Sequencing the Newborn: Successes, Challenges and Lessons Learned** **Jill L. Maron**, Chief of Pediatrics, **Women & Infants Hospital**		**Ask the Expert - How to Leverage Novel AI Tools for Translational Research?** **Table 1: How to Leverage Generative AI and LLMs to Increase Your Productivity in Research?** **Aditi Hazra**, Cancer Scientist, U.S. Department of Veterans Affairs **Raphael Brosula**, Computational Associate, **Broad Institute of MIT and Harvard** - **Table 2: How Can AI and Data Analytics Be Utilised in Clinical Practice?** **Huilei Xu**, Associate Director, Data Science, **Novartis** **Pallavi Tiwari**, Associate Professor, **University of Wisconsin**		**Integrating Multi-omics Data: Unravelling Complex Biological Insights** **Jeff Xia**, Associate Professor, Canada Research Chair in Bioinformatics and Big Data Analytics, **McGill University** **Richard Virgen-Slane**, Principal Computational Toxicologist, **Pfizer** **Baohong Zhang**, Senior Director & Head of Translational Data Science, **Biogen** **Tesfaye B. Mersha**, Professor, **Cincinnati Children's Hospital Medical Center**
16:50	NANOPORE SEQUENCING	**Decoding the Genetics of Neurodegeneration with Population-Scale Long-Read Sequencing** **Kimberley Billingsley**, Postdoctoral Researcher, **NIH Centre for Alzheimer's and Related Dementias**	BIODATA STORAGE AND CLOUD COMPUTING	Sponsored slot available	EPIGENETICS	**Reveal the Power of the 6-Base Genome for Transformative Insights into Current and Future States of Disease** **Mark Consugar**, Lead Field Application Scientist, **biomodal** Sponsored by **biomodal**	DATA-DRIVEN DRUG DEVELOPMENT	Sponsored slot available	SINGLE-CELL & SPATIAL MULTI-OMICS	**Nanovials for Single-Cell Functional Screening in Antibody Discovery and Cell Therapy Development** **Joseph de Rutte**, CEO and Co-Founder, **Partillion Bioscience**	TRANSLATIONAL PROTEOMICS	More details to be announced shortly - Sponsored by **Alamar Bio**	NEWBORN SCREENING	**Genomic Newborn Screening: Identifying Early Cancer Risks in Infants** **Richard Parad**, Director, Neonatal Genomic Medicine Program, **Brigham and Women's Hospital**	ROUNDTABLE DISCUSSION		WORKSHOP	
17:20		More details to be announced shortly - **Chun-Chieh Lin**, Assistant Professor of Pathology, **Geisel School of Medicine, Dartmouth**		**The Future of Population Scale Genomics with the Genomic Variant Store** **Kylee Degatano**, Senior Software Product Manager, **Broad Institute of MIT and Harvard**		**Epigenetic Conversions of the Development of Neuroendocrine Tumors** **Henry Long**, Scientific Director, Center for Functional Cancer Epigenetics, **Dana-Farber Cancer Institute**		**Opportunities and Challenges with Real-World Multi-Modal Data (Clinico-Genomics) to Enable Patient Selection and Indication Expansion** **Sunita Badola**, Senior Director & Head of Oncology Data Strategy, **Takeda**		**PANEL DISCUSSION:** **How to Choose Which Single-Cell Sequencing Technology is Best for Your Research Question?** **Josh Fienman**, Scientist, Genomics, **Pfizer** **Tamara Salloum**, Single-Cell Genomic Technology Specialist, **Brigham and Women's Hospital & Harvard Medical School** **Ojasvi Chaudhary**, Senior Scientist, **AstraZeneca**		**Proteomic Technologies Drive Single-Cell Biology Discoveries** **Nikolai Slavov**, Associate Professor, **Northeastern University**		**PANEL DISCUSSION:** **Applications of WGS in Newborn Screening & Navigating Ethical Decisions** **Ingrid A. Holm**, Endowed Chair in Genetics and Genomics, **Boston Children's Hospital** **Anne Marie Comeau**, Deputy Director, New England Newborn Screening Program, **UMass Chan Medical School** **Dorota Gruber**, Assistant Chief of Pediatric Cardiogenomics, **Zucker School of Medicine** **Pankaj Agrawal**, Chief of Neonatology, **University of Miami Jackson Health**				
17:50	**Drinks Reception**																	
19:00	**Close**																	

The Festival of Genomics & Biodata • Day 2 Agenda • June 13th, 2024

Plenary Keynote Sessions

9:25 — **Opening Remarks**

9:30 — **Fireside Chat: Genomics in the Clinic - A Scientist & Patient Perspective**
Catalina Lopez-Correa, Chief Scientific Officer, **Genome Canada**

10:00 — More details to be announced shortly

10:30 — **PANEL DISCUSSION:**
One World Genomics: Initiatives, Priorities & Data Sharing
Hamdi Mbarek, Research Partnerships Manager, **Qatar Genome**
Rob Annan, President & CEO, **Genome Canada**
Andrea Ramirez, Chief Data Officer, **All of Us Research Program**

11:00 — **Break**

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	CANCER DIAGNOSTICS & PRECISION ONCOLOGY	PRECISION HEALTH DATA SCIENCE	RNA THERAPEUTICS & DELIVERY	MICROBIOME & METAGENOMICS	SINGLE CELL AND SPATIAL OMICS	GENE EDITING TECHNOLOGIES	THE SOCIAL GENOME	ROUNDTABLE DISCUSSION	WORKSHOP
11:30	**PANEL DISCUSSION:** **Accelerating Innovation in Cancer Treatment Through Next Generation Cancer Diagnostics** **Dan Raz**, Co-Director, Lung and Thoracic Oncology, **City of Hope** **Pedram Razavi**, Director, Liquid Biopsy and Cancer Genomics, **Memorial Sloan Kettering Cancer Center** **Diana Mahoney**, Associate Professor, **University of Kansas Cancer Center** **Celine Han**, Principal Scientist, **Bristol Myers Squibb**	**Integrating Genomic and Clinical Data for Advanced Clinical Risk Assessment** **Shawn Murphy**, Chief Research Information Officer, **Mass General Brigham**	**Development of an mRNA Vaccine Manufacturing Platform Process for Hands-On Training** **Baley Reeves**, Interim Director, National Center for Therapeutics Manufacturing, **Texas A&M Engineering**	**Decoding the Role of Breast Milk Microbiome and Probiotics in Early Life Gut Microbiome Development** **Ali R. Zomorrodi**, Computational & Systems Biology Lead, Mucosal Immunology and Biology Research Center, **MassGeneral Hospital for Children**	**PANEL DISCUSSION:** **How to Choose Which Spatial Technology Is Best for Your Research Question?** **Colles Price**, Principal Scientist, **Takeda Oncology** **Ioannis Vlachos**, Director of Spatial Technologies & Bioinformatics, **Beth Israel Deaconess Medical Center** **Manisha Rao**, Senior Scientist, **AstraZeneca**	**Developing Genome Editing Tools to Improve Safety and Efficacy of Adoptive Immunotherapy** **Pietro Genovese**, Principal Investigator, Advanced Genetic Engineering Unit, Gene Therapy Program, **Dana-Farber Cancer Institute & Boston Children's Cancer and Blood Disorder Center**	**Empowering Rare Disease Diagnosis Through Diverse Patient Population and Innovative AI Algorithms** **Jennifer Marie Joe**, Population Health Director, Global Medical Strategy, **AstraZeneca** **Justin Eze Ideozu**, Senior Scientist, Genomic Medicine, **AbbVie** **Samuel Aronson**, Executive Director, IT, **Partners Personalized Medicine** **Mary Elmer**, Director, Patient Engagement, **Merck & Co** **Julie Lynch**, Director, Precision Medicine Team, **VA Informatics and Computing Infrastructure (VINCI)**	More details to be announced shortly	**Spatial Data Analysis** **Miko Liu**, PhD Candidate, **Duke University** **Ajit Nirmal**, Principal Investigator, **Brigham and Women's Hospital** **Leonardo Collado-Torres**, Investigator, **Lieber Institute for Brain Development** **Matthew Bernstein**, Principal Scientist, **Immunitas Therapeutics** **Sizun Jiang**, Assistant Professor of Medicine, **Beth Israel Deaconess Medical Center**
12:00	**ctDNA for MRD and a Pathway to Cure** **James Hadfield**, Senior Director (Epigenomics), Oncology Translational Medicine, **AstraZeneca**	**Data Sharing and Processing Infrastructures: Specialized or General? Taking Imaging Genetics as a Use Case** **Jean-Baptiste Poline**, Associate Professor, **McGill University**	**Machine Learning Guided mRNA Design for Vaccine Development** **Milad Miladi**, Machine Learning Senior Scientist, **Sanofi**	**Defining Mechanistic Effects of the Microbiota to Inform Clinical interventions** **Lynn Bry**, Director, **Massachusetts Host-Microbiome Cente**	**Illuminating Function in Spatial Biology with *In Situ* Interactomics** **Subham Basu**, Chief Business Officer, **Navinci Diagnostics** Sponsored by **Navinci Diagnostics**	**Advances in Therapeutic Genome Editing** **Weijun Chen**, Director of RNA Technologies, **Intellia Therapeutics**			
12:30	**Probing the Chromatin Regulatory System: How Basic Studies and Human Genetics Inspired a New Class of Therapeutics** **Cigall Kadoch**, Epigenomics Program Co-Director, **Broad Institute of MIT and Harvard**	**The Role of AI in Data-Driven Medicine** **Girish Nadkarni**, System Chief, Division of Data Driven and Digital Medicine, **Mount Sinai**	**Genomic Intention of SARC-CoV-2 Sequences and Potentially Disease Relevance** **Rudolf Jaenisch**, Founding Member & Professor of Biology, **Whitehead Institute, MIT**	**Deciphering Microbiome Eco-Evolutionary Dynamics in Humans Undergoing Multidrug-Resistant-Tuberculosis Therapy** **Vanni Bucci**, Associate Professor, Microbiology and Physiological Systems, **UMass Chan Medical School**	**Cellarium: MLOps Infrastructure for Billion-Scale Single-Cell Analyses and Applications** **Mehrtash Babadi**, Director, Data Sciences Platform, **Broad Institute of MIT and Harvard**	**Genome Editing for the Treatment of Rare Neurodegenerative Diseases** **Mandana Arbab**, Lodish Family Assistant Professor of Neurology, **Harvard Medical School**	**Integration of Polygenic Risk Scores with Social Health** **Alicia Martin**, Assistant Professor, Analytic & Translational Genetics Unit, **Massachusetts General Hospital & Broad Institute of MIT and Harvard**		
13:00	**LUNCH & LIVE LOUNGE TALKS**								
13:05	More details to be announced shortly								
13:20	More details to be announced shortly								
13:35	More details to be announced shortly								
13:45	More details to be announced shortly								

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	SHARK TANK	IMPROVING DATA WORKFLOWS & ANALYSIS	CANCER VACCINES	MICROBIOME & IMMUNOLOGY	SINGLE-CELL OMICS	GENE THERAPIES	GENOMICS IN SOCIETY	WORKSHOP	WORKSHOP
14:00	**SHARK TANK** **Judges:** **Yusuf Henriques**, Founder and CEO, **IndyGeneUS AI** **Marc Martin-Casas**, Head, **Illumina Ventures Labs US** **Elizabeth Dale**, Chief Business Development Officer, **StartUp Health**	**LLM Products for Patients or Doctors** **Andrew L'Huillier**, Director, Regulatory Affairs Liaison – Diagnostics, **Merck**	**mRNA Therapeutics in Cancer: Coming of Age** **Robert S. Meehan**, Senior Director Clinical Development, **Moderna**	**Causative Role of the Immune T Regulatory Cells in Mood Disorders and Alzheimer's Disease Phenotype as a Therapeutic Target in Altered Gut-Brain Axis Cross Talking** **Giulio Maria Pasinetti**, Professor & Chair in Neurology, **Icahn School of Medicine at Mount Sinai**	**Exploring Intra Cardiac Nervous System Using Single-Cell Scale Omics Analysis** **Lakshmi Kuttippurathu**, Associate Director, Computational Biology & Data Sciences, **Lexicon Pharmaceuticals**	**Precision Genome Surgery for Imprecision Medicine** **Stephen Tsang**, Co-director for Stem Cells, Genome Engineering and Regenerative Medicine & Professor of Ophthalmology, Pathology and Cell Biology, Institute of Human Nutrition and Stem Cell Initiative, **Columbia University**	**More Than Just the Y: How Sex Differences Impact Genomics & Psychiatric Traits & Analytical Consideration** **Stacey J. Winham**, Statistical Geneticist and Associate Professor, **Mayo Clinic**	**Single Cell Workshop** **Deriving Novel Insights from Single-Cell Data** **Marc Wadsworth**, Principal Scientist, **Pfizer** - **Revealing Novel Targetable Biology with Multi-Omic Approaches** **Mathew Chamberlain**, Principal Scientist, **Johnson & Johnson**	**Spatial Data Analysis** **Ajit Nirmal**, Principal Investigator, **Brigham and Women's Hospital** **Leonardo Collado-Torres**, Investigator, **Lieber Institute for Brain Development** **Matthew Bernstein**, Principal Scientist, **Immunitas Therapeutics** **Sizun Jiang**, Assistant Professor of Medicine, **Beth Israel Deaconess Medical Center** **Miko Liu**, PhD Candidate, **Duke University**
14:30		**Rising to the Challenge: Modernizing Viral Detection & Surveillance at the CDC** **Jeticia Sistrunk**, Bioinformatician, **Centers for Disease Control and Prevention**	**Self-Replicating RNA Cancer Vaccines** **Zachary Hartman**, Associate Professor, **Duke University**	**Disease-Specific Roles of the Gut Microbiota in Neurodegenerative Diseases** **Laura M. Cox**, Assistant Professor, **Harvard Medical School** & Head of Microbiome Unit, Ann Romney Center for Neurologic Diseases, **Brigham and Women's Hospital**	**Innovative Single Cell Technologies for Long Read Targeted Sequencing (scTaILoR-seq) and Ultra-High Throughput Multiomic Profiling (OAK)** **Zora Modrusen**, Senior Director, NGS, **Genentech**	**TOP CAR with TMIGD2 as a New, Safe and Effective Costimulatory Domain in CAR Cells Treating Human Solid Cancers** **XingXing Zang**, Professor & Director of Institute for Immunotherapy, **Albert Einstein College of Medicine**	**RNA Splicing in Alcohol Use Disorder (AUD)** **Rudong Li**, Advanced Bioinformatics Analyst, **IU School of Medicine**		
15:00	**Theatres Closed**								
15:30	**Close**								