The Festival of Genomics & Biodata • Day 1 Agenda • June 3rd 2026

TIME	
08:55	**Opening Remarks**
09:00	**AI for Genomic Medicine: A Multimodal Deep Learning Journey from Molecules to Single Cells** **Manolis Kellis**, Professor of Computer Science, **MIT**
09:30	*More details to be announced shortly* *Sponsored by N6*
10:00	**Panel Discussion: From Hype to Translational Value: AI & Machine Learning Powering Precision Drug Discovery** **Justin Scheer**, Vice President, In Silico Discovery, **Johnson & Johnson Innovative Medicines** **John Chan**, Global Head of Digital, Informatics and AI, **Novartis** **Aziz Nazha**, Global Head, AI Innovations, **Incyte** **Justin H. Johnson**, Executive Director, Oncology Data Science, **AstraZeneca Oncology R&D**
10:30	**The AI-Driven Future of Health: From Genomes to Wearables and Predictive Wellness** **Leroy Hood**, CEO, **Phenome Health** & President, **Institute for Systems Biology**
11:00	**NETWORKING BREAK**

	INNOVATION STAGE	MULTI-OMICS INTEGRATION STAGE	AI IN DRUG DISCOVERY STAGE	BIOPHARMA DATA MANAGEMENT STAGE	SINGLE-CELL STAGE	SPATIAL STAGE	EPIGENETICS STAGE	CANCER OMICS STAGE	GENOME DOME	ROOM 50	ROOM 51
Track	BUILDING THE INFRASTRUCTURE FOR PETABYTES SCALE GENOMICS	LARGE SCALE PROTEOGENOMICS FOR DISCOVERY	GENERATIVE AI FOR BIOPHARMA	ENSURING INTEROPERABILITY	ADVANCES IN SINGLE CELL	ADVANCES IN SPATIAL TECHNOLOGIES	THE EPIGENOME IN HEALTH & DISEASE	NOVEL CANCER BIOMARKER DISCOVERY	ROUNDTABLE DISCUSSION	WORKSHOP	WORKSHOP
11:30	**From Genomics to the Next Frontier: 20 Years of Innovation and What Comes Next** **Niall Lennon** Senior Director, Genomics Platform and Institute Scientist **The Broad Institute of MIT and Harvard**	**Promises and Challenges of Population Proteomics in Health and Disease** **Benjamin Sun** Director, Head of Population Health Omics, Informatics and Predictive Sciences **Bristol Myers Squibb**	**Foundation Model-Based AI Estimator Framework for Solid-Tumor Clinical Outcome Prediction from Peripheral Blood** **Virginia Savova** Head of Cell-targeted Precision Medicine, Oncology Data Science and AI **AstraZeneca**	**Genomic Language Modeling for Sequence Analysis and Management in the Age of AI** **Yunha Hwang** Assistant Professor & Co-Founder **MIT & Tatta Bio**	**From Barriers to Blueprints: Mapping the Regulatory Landscapes of Cell Identity** **Samantha Morris** Principal Investigator **Brigham and Women's Hospital & Harvard Medical School**	**Panel Discussion:** **Jasmine Plummer** Director, Center for Spatial OMICs **St. Jude Children's Research Hospital** **Ioannis Vlachos** Associate Professor of Pathology, Director of the Spatial Technologies Unit **Harvard Medical School** **Katy Börner** Victor H. Yngve Distinguished Professor of Engineering and Information Science **Indiana University Bloomington**	**Unraveling Histone Modification Machinery: Structural Mechanisms of Epigenetic Regulation in Cancer** **Evan Worden** Assistant Professor **Van Andel Institute**	**Mining the TCGA Genome: Driving Cancer Discovery with Whole-Genome Data** **Gad Getz** Director of the Cancer Genome Computational Analysis Group **The Broad Institute of MIT and Harvard**	**ROUNDTABLE DISCUSSION** **What Does Your AI-Ready Team Look Like?** **Stef James** Head of Operational Data Strategy **AstraZeneca** **Edouard Duquesne** Data & AI Product Delivery Lead - Medical, R&D **Ipsen** **Marina Darlow** Incubation Lead, AI Tools for Pharma Research and Reporting **Takeda** **Michail Vlysidis** Principal Engineer, Technology II **AbbVie**	**WORKSHOP** **Computational Biology Upskilling** **Meixue (Michelle) Duan** Senior Expert I Data Science **Novartis** **Sarah Spencer** AD & Senior Principal Data Science **Novartis** **Kumar Veerapen** Associate Director of Human Genetics **Takeda**	**WORKSHOP** **Skill-Amplified AI for Biological Data: From Mindset to Debugging** **Eric Ma** Senior Principal Data Scientist **Moderna**
12:00	**Sponsored slot available**	**More details to be announced shortly** *Sponsored by Olink Proteomics*	**More details to be announced shortly** *Sponsored by Ginkgo Bioworks*	**Sponsored slot available**	**More details to be announced shortly** *Sponsored by Parse Biosciences*	**More details to be announced shortly** *Sponsored by Aspect Analytics*	**Sponsored slot available**	**Sponsored slot available**			
12:30	**One Run, Every Variant: Simplifying Complex Diagnostics through Long-Read Sequencing** **Bharat Thyagarajan** Laboratory Medicine and Pathology Vice Chair for Translational Research **University of Minnesota**	**From Data to Decision: Leveraging Multi-Omics & Proteomics for the Right Target, Drug, and Patient** **Shuwei Li** Director, Population Analytics & Insights, Data Science DPDS **Johnson & Johnson Innovative Medicines**	**Panel Discussion:** **AI Reality Check: Where Is It Actually Delivering in Drug Discovery?** **Shameer Khader** Global Head, Computational Biology, TDSB **Sanofi** **Bart Naughton** Head of Global Discovery Computational Biology **Eisa** **Martin Bringmann** Senior Director Translational Neuroscience **Johnson & Johnson** **Rodney Marable** Executive Director, Scientific Computing and Informatics **Flare Therapeutics**	**Genomic Language Modeling for Sequence Analysis and Management in the Age of AI** **Yunha Hwang** Assistant Professor and Co-Founder **MIT & Tatta Bio**	**Sample-Level Modeling and Quantitative Embedding of Single-Cell Data at Scale with tinydenseR** **Pedro Milanez-Almeida** Senior Expert II, Data Science **Novartis**	**A Comparative Assessment of Spatial Transcriptomic Technologies Across Distinct Tissues** **Nick James** Postdoctoral Associate, Center for Advanced Research Technologies **University of Rochester**	**Stem Cell States in Neural Regeneration** **Whitney Heavner** Scientist **National Institute of Neurological Disorders and Stroke (NINDS)**	**Y Chromosome Alterations in Cancer: From Neglected Passenger to Potential Biomarker** **Esther Rheinbay** Assistant Professor of Medicine **Mass General Brigham Cancer Institute & Harvard Medical School**			

TIME	LIVE LOUNGE OVER LUNCH
13:05	**More details to be announced shortly** *Sponsored by Single Cell Discoveries*
13:20	**More details to be announced shortly** *Sponsored by Omega Bio-tek*
13:35	**Sponsored slot available**
13:50	**Sponsored slot available**

14:05	INNOVATION STAGE	MULTI-OMICS INTEGRATION STAGE	AI IN DRUG DISCOVERY STAGE	BIOPHARMA DATA MANAGEMENT STAGE	SINGLE-CELL STAGE	SPATIAL STAGE	EPIGENETICS STAGE	CANCER OMICS STAGE	GENOME DOME	ROOM 50	ROOM 51
Track	SEQUENCING: SPEED, COST AND SCALE - WHAT CAN WE ACHIEVE?	PROTEOMICS FOR TARGET DISCOVERY & CELLULAR INSIGHTS	AI/ML FOR OMICS IN DRUG DISCOVERY	CLOUD AND FEDERATED DATA PLATFORMS	SCALING SINGLE-CELL ANALYSIS: FROM THOUSANDS TO MILLIONS OF CELLS	SPATIAL MULTI-OMICS	ADVANCES IN EPIGENETIC BIOMARKERS FOR PRECISION MEDICINE	MAPPING THE TME AND PATHWAY ANALYSIS		WORKSHOP	WORKSHOP
14:10	**Nanopore-Based Random Genomic Sampling to Diagnose Neurodegenerative Disease at an Ultra Fast Speed** **Chun-Chieh Lin** Assistant Professor of Pathology, Geisel School of Medicine **Dartmouth College**	**From Transcripts to Proteins: Principles of Proteins Abundance Control across Single Cells in Mammalian Tissues** **Nikolai Slavov** Professor & Founding Director **Northeastern University & Parallel Squared Technology Institute**	**AI Agents for Target Prioritisation: Automating the Search for the Right Oncology Targets** **Arthur Liberzon** Director, AI Research Lead for Omics, Oncology Data Science **AstraZeneca**	**Curation of Large Scale 'Omics Data for Biomarker Discovery** **Lauren Wasson** Senior Scientist II - Bioinformatics **AbbVie**	**Tissue and Cellular Spatiotemporal Dynamics in Colon Aging** **Aidan Daly** Computational Scientist **New York Genome Center**	**Mosaic: A Spatial Multiomics Analysis Approach Demonstrated in Human Lung** **Thu Elizabeth Duong** Assistant Professor of Pediatrics **UCSD, Rady Children's Hospital of San Diego**	**Taming The Unknown: Pragmatic Epigenetic Approaches in Cancer Risk Assessment and Treatment** **Mukesh Verma** Chief **National Cancer Institute (NCI)**	**Dormancy, Niches, and Mobilization: Mechanistic Insights into Residual Breast Cancer** **Dorothy Sipkins** Associate Professor **Duke University**	**More details to be announced shortly**	**WORKSHOP** **Optimising Your CV in the AI Era** **Jim Gould** Director for Postdoctoral Affairs **Harvard Medical School** **Lauren Celano** Co-Founder and CEO **Propel Careers**	**WORKSHOP** **Beginning with Multi-Omics Data Integration** **Planning, Considerations and Practical Guidance** **Neva Cherniavsky Durand** Senior Scientist **Broad Institute of MIT and Harvard** **Natalia Benova** PhD Candidate **Leeds Beckett University**
14:40	**Sponsored slot available**	**More details to be announced shortly** *Sponsored by Fovus*	**More details to be announced shortly** *Sponsored by Excelra*	**More details to be announced shortly** *Sponsored by TTEC Digital*	**Sponsored slot available**	**More details to be announced shortly** *Sponsored by Vizgen*	**Sponsored slot available**	**Spatially Resolved Repeat RNA Landscapes in Cancer: Uncovering Viral-like Signals and Tumor-Microenvironment Crosstalk** **David Ting** Associate Professor of Medicine **Harvard Medical School**			
15:10	**Discovery of Novel Targets – Application of Genomic Sequencing Technologies** **Yuxin Liang** Senior Principal Scientific Manager **Genentech**	**Proteomics-Driven Target Discovery and Drug Development** **Matthew Glover** Associate Director, Proteomics **AstraZeneca**	**Same-Sample Multi-Omics Profiling and Applying Integrative Multi-Omics AI/ML Methods Benchmark in Rare Disease** **Anas Al Zabiby** Multi-omics Data Science Expert II, Discovery Sciences, Biomedical Research **Novartis**	**From Research-Grade Molecular Data to Regulatory Impact: Enabling Drug Filing and Next-Generation AI** **Andrea Calabria** Senior Director of Data Science and Computational Biology **Tessera Therapeutics**	**Scaling Single-Cell Multi-omics to Population Studies: Insights into Asthma Risk from Cross-Border Cohorts** **Darren Cusanovich, Associate** Professor, Cellular and Molecular Medicine, **University of Arizona**	**RNA–Protein Decoupling in Human Tissues: Systematic Discordance Revealed by Same-Slide Spatial Multiomics** **Bruno Matuck** Principal Investigator of the Oral Systems Biology Lab (LaBBioS) **Hospital Israelita Albert Einstein**	**Epigenetic Signatures Linking Alzheimer's Genetic Risk and Alcohol Use Disorder** **Gita Pathak** Assistant Professor **Icahn School of Medicine at Mount Sinai NY**	**Mapping Stromal Divers of TME Reorganization in Progressive Pancreatic Cancer** **Meredith Brown** Discovery Fellow **Novartis**			
15:40	**NETWORKING BREAK**										

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Track	WHAT DOES THE EVOLUTION OF SEQUENCING MEAN FOR TRANSLATIONAL RESEARCH?	MULTI-OMICS FOR DRUG DISCOVERY	PREDICTIVE MODELLING FOR TARGET VALIDATION	BUILDING YOUR AI-READY DATA STRATEGY	MULTI-MODAL SINGLE-CELL ANALYSIS	SPATIAL DATA VISUALIZATION & ANALYSIS	SINGLE-CELL EPIGENOMIC PROFILING	PRECISION MEDICINE & IMMUNOTHERAPY			
16:10	**Exomes, Genomes, Multi-Omics: Navigating the Space Between Today's Standards and Tomorrow's Diagnostics** **Ramakrishnan Rajagopalan** Director of Translational Bioinformatics **Children's Hospital of Philadelphia**	**Integrating Transcriptomics and Proteomics to Accelerate Biomarker Discovery and Clinical Translation** **Banishree Saha** Associate Director, Biomarker and Assay Analytical Lead **Takeda**	**Leveraging Foundation Models and In Silico Perturbation to Accelerate Target Identification in Early Discovery** **Xiong Liu** Director, Data Science and AI, Biomedical Research **Novartis**	**Semantic Modeling of Genes and Genomes – Using Ontologies and Linked Data to Coalesce and Drive Comprehensive Drug-Target-Indication Discovery and Validation** **Julia Fox** Director, Data Sciences **Takeda**	**Decoding the Stromal-Immune Axis: Single-Cell Insights into Immune-Mediated Diseases** **Saurabh Vishnu Laddha** Principal Computational Scientist **Johnson & Johnson Innovative Medicines**	**VR-Omics 2.0: A Programming-Free Platform for End-to-End Multi-Slice Spatial Transcriptomics Analysis and Immersive 3D Visualisation** **Denis Bienroth** Software Engineer **Murdoch Children's Research Institute**	**DropC Allows Scalable and Multimodal Profiling of Genetic and Non-Genetic Determinants of Human Leukemia** **Giovanni Gambi** Post Doc Fellow **NYU Langone Health**	**From Multi-Omics to Real-Time AI Precision Medicine in Colorectal Cancer** **Enrique Valezquez Villarreal** Assistant Professor **City of Hope**	**More details to be announced shortly**	**More details to be announced shortly**	**Roundtable: What Does Your AI-Ready Team Look Like?** **Stef James** Head of Operational Data Stategy **AstraZeneca** **Edouard Duquesne, Data & AI** Product Delivery Lead - Medical, R&D **Ipsen** **Marina Darlow** Incubation Lead, AI Tools for Pharma Research and Reporting **Takeda** **Michail Vlysidi** Principal Engineer, Technology II **AbbVie**
16:40	**Towards Pre-Symptomatic Diagnosis of Alzheimer's Disease: Unlocking Isoform-Level Biomarkers** **Mark Ebbert** Associate Professor, Sanders-Brown Center on Aging **University of Kentucky**	*Reserved for Bioptimus*	**AI-Driven and Interpretable Gene Network Modeling: From Transcriptomics to Drug Targets** **Kiyohiro Maeda** Senior Data Scientist **Fujifilm Corporation**	**Sponsored slot available**	**Sponsored slot available**	**Sponsored slot available**	**Sponsored slot available**	**Why T-Cell Immunotherapy Fails in Brain Cancer: Insights from Tumour-Immune Interactions in Glioblastoma** **Christina Jackson** Assistant Professor of Neurosurgery **University of Pennsylvania**			
17:10	**Panel Discussion:** **How Do The Sequencing Technology Advancements Drive Translational Research?** **Miten Jain** Assistant Professor **Northeastern University** **Bharat Thyagarajan** Laboratory Medicine and Pathology Vice Chair for Translational Research **University of Minnesota** **Jing Colatat** Senior Scientist, Vaccine R&D **Pfizer**	**Multi-Omic Case Studies in Drug Safety: Biomarker Discovery and Mechanistic Insights** **Tom Lanz** Senior Director of Multi-Omics and Biomarkers **Pfizer**	**Leveraging AI to Accelerate Target Engines** **Franck Rapaport** Director of Target, Disease and Systems Biology Data Science and AI **Sanofi**	**Pharma Knowledge Graphs and Large Language Models: Exploring the Semantic Frontier of Biomedical AI in 2025** **Helena Deus** Lead for Semantic Data Products **Bristol Myers Squibb**	**SIMBA+: Dissecting Genetic Variant Function Through Single-Cell Multiomics Integration** **Luca Pinello** Associate Professor **Massachusetts General Hospital**	**Evaluating Spatial Transcriptomics Technologies' Ability to Localize Biomarkers of Lung Cancer Progression** **Jason Weis** PhD Candidate **Boston University School of Medicine**	**AI for Single-Cell Regulatory Genomics** **Christina Leslie** Principal Investigator **Memorial Sloan Kettering Cancer Center**	**Single Cell Analysis Identifies Factors Underlying CAR T Cell Therapy Response in Glioblastoma** **Nelson Freeburg** Postdoctoral Researcher, Silverbush Lab **University of Pennsylvania**			
17:40	**DRINKS RECEPTION**										
19:10	**CLOSE**										

The Festival of Genomics & Biodata • Day 2 Agenda • June 4th 2026

TIME	
09:10	**Opening Remarks**
09:15	**Rewriting the Human Genome: From Fragmented References to True Diploid Genomics** **J. Craig Venter**, Founder, Chairman, and CEO, **J. Craig Venter Institute**
09:45	***More details to be announced shortly***
10:15	**Panel Discussion: Multi-Modal Data at Scale: Discovery, Governance, and Trust** **John Tallarico**, Global Head of Discovery Sciences, **Novartis** **Stacey Gabriel**, Executive Vice President, Platforms and Scientific Execution, **The Broad Institute of MIT and Harvard** **Melina Claussnitzer**, Director, Broad Diabetes Initiative and Faculty, Center for Genomic Medicine & Endocrine Division, **Massachusetts General Hospital** **Woody Sherman**, Founder and Chief Innovation Officer, **PsiThera**
11:00	**NETWORKING BREAK**

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Track	BUILDING THE INFRASTRUCTURE FOR PETABYTES SCALE GENOMICS	MULTI-OMICS INTEGRATION WITH AI/ML	BEYOND PROOF OF CONCEPT - AI ROLLOUT AT SCALE	DATA SHARING & ANALYSIS	CANCER HETEROGENEITY AND THE TME	SPATIAL TRANSCRIPTOMICS IN DEVELOPMENTAL BIOLOGY	EPIGENETIC THERAPEUTICS	LIQUID BIOPSY FOR PRECISION ONCOLOGY	NETWORKING	WORKSHOP	
11:30	**Right Read for the Right Task: Orchestrating Multiple NGS Platforms Across the Biologics Pipeline** **Yang Song** Associate Principal Scientist **AstraZeneca**	**AI-Powered Cross-Level Cross-Scale Cross-Species Multi-Omics Integration And Predictive Modeling For Drug Discovery** **Lei Xie** Professor **Northeastern University**	**TBC: Scaling Biologics Discovery and Lab Automation from Antibody Discovery through Optimisation** **Hayretin Yumerefendi** Associate Director **Novartis**	**Target Gene Notebook: A Dual-Use Platform for Target Evaluation** **Jennifer Heymont** Associate Director, Scientific Informatics **Eisai**	**Multimodality of Single Cell Analysis in Clinical Settings** **Asaf Rotem** Senior Director of Translational Medicine **AstraZeneca**	**Polyploid Cardiomyocytes Define Niche-Specific Transcriptional States in the Mammalian Heart** **Paul Kiessling** PhD Student **University of Aachen**	**DNA Topology, Chromatin Structure and Therapeutic Control** **Taekjip Ha** HHMI Investigator, Member of National Academy of Sciences, Professor **Harvard Medical School**	**Panel Discussion:** **Transforming Early Cancer Detection, Diagnosis, and Surveillance with Liquid Biopsies** **Aparna Parikh** Associate Professor **Harvard Medical School** **Shervin Tabrizi** Assistant Professor, Radiation Oncology **University of Pennsylvania** **Diana Merino Vega** Global Senior Director Early Detection **AstraZeneca** **Elaine Joseph** Director, Precision Medicine **AstraZeneca**	**More details to be announced shortly**	**WORKSHOP** **Analysis and Visualisation of Spatial Transcriptomics Data** **Luca Zanella** Research Scientist and Course Director **Columbia University** **Martin Hemberg** Associate Professor of Neurology **Harvard Medical School**	**NETWORKING: Boston Women in Bioinformatics Networking Session** **Join us for an energizing discussion and networking session designed to foster meaningful connections among women working in bioinformatics and related fields. Whether you're a student, researcher, data scientist, or industry professional, this is a unique opportunity to expand your network, share experiences, and spark collaborations in a supportive, women-led environment.** **You'll hear from the Boston Women in Bioinformatics group and meet peers and mentors from diverse backgrounds, each bringing a different perspective on navigating careers, research challenges, and leadership in a rapidly evolving field.**
12:00	**Our Future Health: From Population-Scale Genomics to Trial Acceleration in Prevention and Disease** **Michael Cook** Chief Science Officer **Our Future Health**	**Multiome Perturb-Seq: Scalable CRISPR Screens Linking Transcriptome and Epigenome at Single-Cell Resolution** **Thomas Norman** Associate Member **Memorial Sloan Kettering Cancer Center**	**More details to be announced shortly** *Sponsored by Genomics Plc*	**Sponsored slot available**	**Sponsored slot available**	**Sponsored slot available**	**More detailsto be announced shortly**	**Measuring Immune Fitness from Blood: A Biophysical Liquid Biopsy for Immunotherapy** **Scott Manalis** David H. Koch Professor in Engineering **Koch Institute for Integrative Cancer Research**			
12:30	**Big Data, Big Problems: Building Infrastructure for Research at Any Scale** **Mitchell Shiell** Product Manager **Ontario Institute for Cancer Research**	**Multimodal Foundation Models for Biomolecular Analysis** **Smita Krishnaswamy** Associate Professor of Genetics and of Computer Science **Yale University**	**Operationalizing Spatial Transcriptomics in Clinical Trials: Digital Pathology Integration and Agentic AI Workflows** **Emre Arslan** Associate Director **Takeda**	**Bayer's R&D Data Science Ecosystem – A Central Nervous System to Improve Efficiency and Success Rates in Pharma** **Dan Gusenleitner** Director of Computational Biology **Bayer**	**Learning Cellular Kinetics from Multimodal Single-cell Asynchrony** **Chenxu Zhu** Assistant Professor and Core Faculty Member **New York Genome Center**	**Single Cell Spatial Transcriptomics Links Wnt Signaling Disruption to Extracellular Matrix Development in a Cleft Palate Model** **Jeremie Piña** Postdoctoral Fellow **NIH**	**Rewriting the epigenetic playbook: targeting epigenetic drivers of childhood cancer** **Dr. Michael Koldobskiy** Assistant Professor of Oncolog **Johns Hopkins University School of Medicine**	**Technologies for Ultrasensitive ctDNA Detection** **Viktor Adalsteinsson** Director, Gerstner Center for Cancer Diagnostics **The Broad Institute of MIT and Harvard**			
13:00	**LUNCH BREAK**										

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Track	AI/ML IN GENOMIC ANALYSIS	MULTI-OMICS FOR BRAIN BIOLOGY	AI-READY ENTERPRISE STRATEGY	DATA GOVERNANCE & COMPLIANCE IN PRACTICE	MACHINE LEARNING, DEEP LEARNING & GENERATIVE MODELS FOR SINGLE-CELL	PATHOLOGY X SPATIAL OMICS	EPIGENETICS	MRD	NETWORKING	WORKSHOP	WORKSHOP
14:00	**Decoding the Language of Life: A Large Language Model for the RNA World** **John Rinn** Professor **University of Colorado Boulder**	**Single-Cell Multi-Omics Integration to Find Blood Targets for Brain Diseases** **Mark Gerstein** Professor of Biomedical Informatics **Yale School of Medicine**	**More details to be announced shortly**	**Building an AI-Ready Data Strategy: Lessons from Data Governance at Takeda** **Krimish Shah** Associate Director Regulatory Data Governance Lead **Takeda**	**Development and Optimization of scRNA-seq Pipelines to Characterise iPSC-Derived Hematopoietic Stem Cells using AI** **Aayudh Das** Senior Scientist **Stratus Therapeutics**	**Acquiring Principles of Spatial Data Analysis for Effective Disease Profiling** **Priyank Patel** Principal Scientist **Boehringer Ingelheim**	**Single-cell 3D Genome Organization in Leukemia with DROP-C** **Guido Barzaghi** Postdoctoral Fellow in the Tsirigos Lab **NYU Grossman School of Medicine**	**Ultra-Sensitive ctDNA for MRD Detection in Early-Stage EGFRm Lung Cancer: Insights from ADAURA, NeoADAURA, and LAURA** **Ryan Hartmaier** Senior Director, Translational Medicine, Oncology R&D **AstraZeneca**	**More details to be announced shortly**	**WORKSHOP** **Building Single-Cell RNA-seq Atlases: Concepts and Best Practices** **Saurabh Vishnu Laddha** Principal Computational Scientist **Johnson and Johnson Innovative Medicines** **Ángel Gálvez Merchán** Scientist II, Computational Biology **eGenesis**	**WORKSHOP** **Enhancing Variant Analysis and Interpretation** **Overview of Curation Resources for Clinicians to Facilitate Genetic Aanalysis for Rare Disease** **Marina DiStefano** Director, Clinical Genomic Operations **Broad Clinical Labs** **Andrea Oza** Clinical Genomic Analyst and Genetic Counselor **Broad Clinical Labs**
14:30	**tRNA Isodecoder Analysis using Nanopore Ionic Current Signals and Deep Learning** **Miten Jain** Assistant Professor **Northeastern University** **[AI]**	**CSF Proteomics Reflect Neuronal Excitability Before Amyloid Aggregation in Preclinical AD** **Abhay Moghekar** Biofluid Biomarker Core Leader, Clinical Core Co-Leader **Johns Hopkins School of Medicine**	**AI/ML and FAIR Data Foundations for Functional Genomics-driven Target and Biomarker Discovery** **Michael Steinbaugh** Director, Data, AI and Genome Sciences **Merck**	**Architecting the Genomic Data Backbone: Orchestration, Metadata and Versioned Assets** **Yohann Potier** Senior Director of Data Engineering and Informatics **Tessera Therapeutics**	**Platform MACS: Accelerating Target Discovery with Single-Cell Workflows** **Marc Wadsworth** Senior Principal Scientist **Pfizer**	**Advancing Toxicologic Pathology Through Spatial Omics: Challenges, Opportunities, and Cross-Species Insights** **Chandra Saravanan** Director of Pathology **Novartis Institutes for Biomedical Research**	**Structure and Function of ATP-Dependent Chromatin Remodeling Complexes in Health and Disease** **Cigall Kadoch** Professor and Meredith and Billy Starr Investigator, Department of Pediatric Oncology **Dana-Farber Cancer Institute**	**Ultrasensitive MRD Monitoring to Predict Response to CDK4/6 Inhibitors in Metastatic Breast Cancer** **Pedram Razavi** Director, Liquid Biopsy and Cancer Genomics, MSK Biomarker Development Program **Memorial Sloan Kettering Cancer Center**			
15:00	**Using Machine Learning to Predict Compound Polypharmacology** **Stephen Capuzzi** Principal Scientist, Data and Computational Sciences **Vertex Pharmaceuticals**	**Advances in Single-cell and Long-read Sequencing Converge for Novel Insights in Alzheimer's Disease** **Lindsay Rizzardi** Assistant Professor of Pathology and Laboratory Medicine **The University of Alabama at Birmingham**	**Building the Lab of the Future - Connecting AI, Digitalisation and Automation for Closed-Loop Drug Discovery** **Hans Bitter** Head of Computational Science & Data Strategy (R&D leadership team) **Takeda** **Jonathan O'Connell** Head of Drug Discovery Automation and Transformation **Takeda**	**Building a Clinical Data Management Department from Ground Up** **Julie Filipenko** Vice President, Clinical Data Management **Graviton Biosciences**	**Bridging AI and Single-Cell Omics to Model Cells in Silico** **David van Dijk** Assistant Professor of Medicine (Cardiovascular Medicine) and of Computer Science **Yale University**	**Mapping Therapeutic Targets in Fibrotic Diseases using Spatial Transcriptomics** **Lauren Gutgesell** Scientist **Arda Therapeutics**	**How Enhancer Mutations Drive Ovarian Cancer Through RNA-Mediated Epigenetic Regulation** **Natalia Benova** PhD Student **Leeds Beckett University**	**Liquid Biopsies Predict Outcome and Guide Therapy in Patients with Hodgkin Lymphoma** **Julia Paczkowska** Post-doctoral Researcher **Dana-Farber Cancer Institute**			
15:30	**CLOSE**										