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

TIME	
08:30	**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	**Streamlining High-Throughput Methods Development Utilizing the Icosil® System and AutoMate — From Single Cell to Bulk Applications** **Aziz Al'Khafaji Director,** Molecular R&D PI, Methods Development Lab, Genomics Platform, Broad Clinical Labs, **Broad Institute of MIT and Harvard** Sponsored by IVI
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** **Brigit Schuckert**, VP & Head of Data42, **Novartis** **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	ROOM 50	ROOM 51
11:20	**From Genomics to the Next Frontier: 25 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** **Gary Siuzdak** Director, Center for Mass Spectrometry and Data Science, Scripps Research	**Foundation Model-Based AI Extractor Framework for Solid Tumor Clinical Outcome Prediction from Peripheral Blood** **Virginia Savova** Head of Cell-Inspired Precision Medicine, Oncology Data Science and AI **AstraZeneca**	**From Data Chaos to Clarity: Operationalizing Genomics through Semantic Foundations and Decision Intelligence** **Felix Frederick** Associate Director, Data Modeling Lead **AstraZeneca**	**From Bacteria to Blastpirin: Mapping the Regulatory Landscapes of Cell Identity** **Samantha Morris** Associate Professor of Medicine and Systems Biology **Brigham and Women's Hospital & Harvard Medical School**	**Panel Discussion: Spatial Technologies: What's Real, What's Hype, What's Missing** **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** **Kelly Bérnor** Victor H. Vega Distinguished Professor of Engineering and Information Science **Indiana University-Bloomington**	**Uncovering 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**		
11:50	**High-Resolution Profiling of Cancer Transcriptomes and Fusion Isoforms using Roche SBX RNA-Seq (SBX) Technology** **Brian Haas,** Principal Computational Scientist **Broad Institute of MIT and Harvard**	**Beyond the Genome: Scalable Proteomics to Power Pharma Discovery and Clinical Translation** **Joseph Corcoran, Sr. Field Application Scientist, Olink® part of Thermo Fisher** *Sponsored by Olink*	**Towards 100,000 Small Molecules Building AI-Ready Transcriptomic Profiles with CMAP** **Jaeyoung Sim** Principal Computational Biologist **Ginkgo Bioworks** *Sponsored by Ginkgo Bioworks*	**Sponsored slot available**	**Advancements in Scalable Single Cell RNA-seq with Parse Biosciences' Evercode** **Mike Khan** Technical Sales Manager **Parse Biosciences** *Sponsored by Parse Biosciences*	**Beyond Data Democratization: AI-Driven Spatial Biology Analytics at Scale with Visura** **Marc Claesen,** Founder and CTO **Aspect Analytics** *Sponsored by Aspect Analytics*	**Epigenetic Restriction of Adenocarcinoma Lineages Mirrors the Somatic Transition to Cancer and Can Be Used for Non-Invasive Cancer Prediction** **Franziska Michor** Professor of Computational Biology **Dana-Farber Cancer Institute**	**From Hysteria to Multi-Cancer: Building a Scalable, AI-Ready Data Commons for Translational Oncology** **Alexander Gusi** Director, Translational Research **Multiple Myeloma Research Foundation**	**WORKSHOP** **Computational Biology Upskilling** **Mansun (Michelle) Guan** Senior Expert Data Science **Novartis** **Sarah Spencer** AD & Senior Expert Analytics **Novartis** **Kumar Venugopal** Associate Director of Human Genetics **Takeda**	**WORKSHOP** **Skill-Amplified AI for Biological Data: From Mindset to Debugging** **Eric Ma** Senior Principal Data Scientist **Moderna**
12:10	**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** **Bhaskar Kl** Director, Computational Analytics & Insights, Data Science DRSI **Johnson & Johnson Innovative Medicines**	**Panel Discussion: AI Reality Check: Where Is It Actually Delivering in Drug Discovery?** **Shannon Klauke** Global Head, Computational Biology Target, Disease and Systems Biology **Sanofi** **Bart Naughton** Head of Global Discovery Computational Biology **Bristol**	**Sponsored slot available**	**Advancements in Scalable Single Cell RNA-seq with Parse Biosciences' Evercode** **Mike Khan** Technical Sales Manager **Parse Biosciences** *Sponsored by Parse Biosciences*	**Sample Level Modeling and Quantitative Embedding of SingleCell Data at Scale with Unpleasant®** **Pedro Milanez Almeida** Senior Expert Data Science **Novartis**	**A Comparative Assessment of Spatial Transcriptomics Technologies Across Distinct Tissues** **Mark James** Postdoctoral Associate, Center for Advanced Research Technologies **University of Rochester**	**Stem Cell States in Neural Regeneration** **Whitney Heavner** Investigator **National Institute of Neurological Disorders and Stroke (NINDS)**	**AI-Assisted Genomic Data Ecosystems: Scaling Molecular Data Operations for Cancer Research** **Michael Tolstorukov** Director of Bioinformatics and Molecular Data **Dana-Farber Cancer Institute Tolstorukov**		
12:30	**Panel Discussion: Sponsored by Illumina** **Illumina**	**Sponsored slot available**	**Genomic Language Modeling for Sequence Analysis and Management in the Age of AI** **Yunha Hwang** Assistant Professor and Co-Founder **MIT & Tatta Bio**							

	LIVE LOUNGE OVERLUNCH
12:05	**Best Practices in Single-Cell and Spatial Sequencing: How to Plan & Validate Experiments** **Maria Nieves**, Co-founder & CEO, **Single Cell Discoveries** **Sponsored by Single Cell Discoveries**
12:20	**From Sample to Lung Fascia: Automating High-Molecular-Weight DNA Extraction Workflows** **Brandon Enegren**, Product Manager, **Omega Bio-tek** **Sponsored by Omega BioTek**
12:35	**Introduction of Twist Library Preparation Kits developed with Novel Enzyme Engineering** **Paul Fava**, Director of Commercial Development, **Twist Bioscience** **Sponsored by Twist Bioscience**
13:50	**Sponsored slot available**

TIME	
14:05	**Nanopore-Based Random Genomics Sampling to Diagnose Neurodegenerative Disease at an Ultra-Fast Speed** **Chun-Chieh Lin** Assistant Professor of Pathology, Ocean School of Medicine **Dartmouth College**
14:10	**Innovative Multimodal Solutions for Rare Disease Diagnostics** **Christine Eng** Chief Medical Officer, Chief Quality Officer **Baylor Genetics** *Sponsored by Baylor Genetics*
14:40	**Fueling Target Discovery - The Power of Genomic Sequencing** **Yuxin Liang** Senior Principal Scientific Manager **Genentech**
15:10	**Towards Pre-Symptomatic Diagnosis of Alzheimer's Disease Unlocking Isoform-Level Biomarkers** **Mark Gilbert** Associate Professor, Sanders-Brown Center on Aging **University of Kentucky**
15:40	**Panel Discussion: How Do The Sequencing Technology Advancements Drive Translational Research?** **Hilen Lee** Assistant Professor **Northwestern University** **Bharat Thyagarajan** Laboratory Medicine and Pathology Vice Chair for Translational Research **University of Minnesota** **Jay Celniker** Senior Scientist, Genome R&D **Pfizer**

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14:10	**Clean Chain Lin** Assistant Professor of Pathology, Ocean School of Medicine **Dartmouth College**	**Regulatory Mechanisms of Proteins Abundance Control across Single Cells in Neurodegenerative Disease** **Mahlon Collins,** Research Innovation Coordinator **Parallel Squared Technology Institute (Steve Lab)**	**Closing the Loop in Target Discovery: Applying Foundation Models and AI to Targeted Identification in ADPKD** **Tiziana Capaia** Senior Expert	**Curation of Large-Scale 'Omics Data for Biomarker Discovery** **Lauren Wenson** Senior Scientist II - Bioinformatics **AbbVie**	**Tissue and Cellular Spatiotemporal Dynamics in Colon Aging** **Aidan Daly** Computational Scientist **New York Genome Center**	**Custom Dependent Effects of Inoculation on Spatial and Single Cell Transcriptomics Integration** **Claudia Ragazzi Escobedo** Principal Investigator **Tecnológico de Monterrey**	**Turning The Unknown: Pragmatic Epigenetic Approaches to Cancer Risk Assessment and Treatment** **Mukesh Verma** Chief **National Cancer Institute (NCI)**	**Y Chromosome Aberrations in Cancer: From Neglected Passenger to Potential Biomarker** **Kellen Stansbury** Assistant Professor of Medicine **Mass General Brigham Cancer Institute, Harvard Medical School**	**WORKSHOP** **Optimizing 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** **Edward Carpenter** Data & AI Product Delivery Lead - Medical, R&D **Sanofi** **Marina Dalene** Incubation Lead, AI Tools for Pharma Research and Reporting **Takeda**
14:40	**Innovative Multimodal Solutions for Rare Disease Diagnostics** **Christine Eng** Chief Medical Officer, Chief Quality Officer **Baylor Genetics** *Sponsored by Baylor Genetics*	**Solving Productive Bottlenecks in Biotherapeutics Compute: Runtime, Cost, GPU Efficiency, and Failed Labs** **Fengbo Ren** Founder & CEO **Fauna** *Sponsored by Fauna*	**Towards Personalized Therapeutics: Machine Learning-Driven Integration of Pharmacokinetics and Response Biomarkers** **Puneet Saxena** Director, Computational Biology **Takeda** **Adrienne Vana** Scientific Manager **Enanta** *Sponsored by Enanta*	**Genomics at the Point of Care: Building the Data Foundation for Personalized Medicine** **Rodolfo Lloreo** VP, Healthcare & Life Sciences Solutions Architecture **TTEC Digital** **Devan Szczepanski MD, MA** Owner & CEO **NuMed Medicine™** *Sponsored by TTEC*	**Hidden in Plain Sight: Druggable Cell Populations Missed by Standard Analysis** **Jonathan Perelman** Founder **Aignostics AG** *Sponsored by Kygen*	**More details to be announced shortly** *Sponsored by Vigen*	**Ring-Read Epigenetics and the Hidden Regulation of mDNA** **Stefan Isaac** Assistant Professor, Biochemistry and Cell Biology **Boston University**	**Spatially Resolved Repeat RNA Landscapes in Cancer: Uncovering Visualize Signals and Tumor-Microenvironment Crosstalk** **David Ting** Associate Professor of Medicine **Harvard Medical School**	**Optimizing Your CV in the AI Era** **Jim Gould** Director for Postdoctoral Affairs **Harvard Medical School** **Lauren Celano** Co-Founder and CEO **Propel Careers**	**Advancing Cancer Immunotherapy with Single-Cell Analysis** **Nikita Sheth** Senior Director, Computational Biology **Takeda** **Nova Chereshnyuk Durand** Senior Scientist **Broad Institute of MIT and Harvard** **Natasha Emmons** PhD Candidate **Landau Beckett Orimoloye**
15:10	**Fueling Target Discovery - The Power of Genomic Sequencing** **Yuxin Liang** Senior Principal Scientific Manager **Genentech**	**Proteomics-Driven Target Discovery and Drug Development** **Matthew Glover** Associate Director, Proteomics **AstraZeneca**	**Gene-Sample Multi-Omics Profiling and Applying Integrative Multi-Omics AI/ML Methods Biomarkers in Rare Diseases** **Anas Al Zabibi** Multi-omics Data Science Expert II, Discovery Sciences, Biomedical Research **Novartis**	**Scaling Single Cell Multi-omics to Population Studies: Insights into Asthma Risk from Cross-Ancestry Data** **Andrea Calabria** Senior Director of Data Science and Computational Biology **Tessera Therapeutics**	**Single-Cell Multi-omics to Population Studies: Insights into Asthma Risk from Cross-Ancestry Data** **Derren Ready** Associate Professor, Cellular and Molecular Medicine **University of Arizona**	**Web-Protein Decoupling's Human Tissues: Systematic Discordance Revealed by Gene-Wide Spatial Platforms** **Bruce Mahuk** Principal Investigator of the Oral Systems Biology Lab (JJBSL) **Hospital Israelita Albert Einstein**	**Epigenetic Signatures Linking Alzheimer's Genetic Risk and Global Gene Dysregulation** **Olia Fotuhi** Assistant Professor **Icahn School of Medicine at Mount Sinai NY**	**Mapping Stromal Drivers of TME Reorganization in Progressive Pancreatic Cancer** **Meredith Brown** Discovery Fellow **Novartis**		
15:40	**NETWORKING BREAK**									

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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** **Xiang Liu** Director, Data Science and AI, Biomedical Research **Novartis**	**Judging Deep Research Agents: Validation for Drug Discovery AI** **Rui Sun** Senior Scientist, Applied AI & Agentic Modeling **Takeda**	**Decoding the Stromal Immune Axis: Single-Cell Insights into Immune-Mediated Diseases** **Saurabh Vishnu Laddha** Principal Computational Scientist **Johnson & Johnson Innovative Medicines**	**The Promise and Peril of Targeting Epigenetics Drivers in Large-Scale CGIMOS Randomized Clinical Trial to Improve Healthspan and Prevent Disease** **Howard Bonen** Associate Director, Division of Preventive Medicine **Brigham and Women's Hospital**	**VR-Driven 2.5–3 Programming Free Platform for End-to-End Multi-Slice Spatial Transcriptomics Acquisition and Immersive 3D Visualization** **Denis Bienvenu** Software Engineer **Mandesh Children's Research Institute**	**From Multi-Omics to Real-Time AI Precision Medicine in Colorectal Cancer** **Enrique Velazquez Villarreal** Assistant Professor **City of Hope**	**WORKSHOP** **From Postdoc to Powerhouse: AI Enhanced Contextual Workflow Across the Common Cancer Ecosystem (CPOD)** **Scott Berti** Director, Operations & Development, Knowledge Platform & Initiatives **The Broad Institute of MIT and Harvard** **Christy Kane** Project Manager **National Institute of Health** **Lola Matsuzaki** Postdoctoral Associate **The Broad Institute of MIT and Harvard** **Daniell Masood** Postdoctoral Scholar **BiomarkerSE**	**Roundtable: What Does Your AI-Ready Team Look Like?** **Edward Carpenter** Data & AI Product Delivery Lead - Medical, R&D **Sanofi** **Marina Dalene** Incubation Lead, AI Tools for Pharma Research and Reporting **Takeda** **Michael Vignola** Principal Engineer, Technology II **AbbVie**
16:40	**Towards Pre-Symptomatic Diagnosis of Alzheimer's Disease Unlocking Isoform-Level Biomarkers** **Mark Gilbert** Associate Professor, Sanders-Brown Center on Aging **University of Kentucky**	**From Spatial Atlas to World Model: The Data and AI Infrastructure Redefining Cancer Biology** **Jennifer Eliel** Senior Director, Business Development **Bioptimus** *Sponsored by Bioptimus*	**AI-Driven and Interpretable Gene Network Modeling: From Transcriptomics to Drug Targets** **Kiyohiro Maeda** Senior Data Scientist **PepMetic Corporation** *Sponsored by PepMetic Corporation*	**Sponsored slot available** *Sponsored by Illumina*	**Sponsored slot available**	**More details to be announced shortly** *Sponsored by Illustrate Biotechnologies*	**DropC Allows Scalable and Multimodal Profiling of Genetic and Non-Genetic Determinants of Human Leukemia** **Giovanni Gambi** Post-Doc Fellow **NYU Langone Health**	**Why T-Cell Immunotherapy Fails in Brain Cancer: Insights from Tumor-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?** **Hilen Lee** Assistant Professor **Northwestern University** **Bharat Thyagarajan** Laboratory Medicine and Pathology Vice Chair for Translational Research **University of Minnesota** **Jay Celniker** Senior Scientist, Genome R&D **Pfizer**	**Multi-Omic Case Studies in Drug Safety: Biomarker Discovery and Mechanistic Insights** **Tom Lenz** Senior Director of Multi-Omics and Biomarkers **Pfizer**	**Leveraging AI to Accelerate Target Engines** **Franck Raappert** Director of Target, Disease and Systems Biology Data Science and AI **Sanofi**	**Mapping Knowledge Graphs and Large Language Models Exploring the Semantic Proximity of Biomedical AI in 2025** **Helena Deus** Lead for Semantic Data Products **Bristol Myers Squibb**	**SPRE8+: 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**	**Learning Multiomic Cell Dynamics with Neural ODEs** **Christina Leslie** Computational Investigator **Memorial Sloan Kettering Cancer Center**	**Single Cell Analysis Identifies Factors Underlying CAR T Cell Therapy Response in Glioblastoma** **Nelson Freeburg** Postdoctoral Researcher, Stanford Lab **University of Pennsylvania**		
17:40	**DRINKS RECEPTION**									
19:10	**CLOSE**									

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

TIME	
09:25	**Opening Remarks**
09:30	**Reading & Rewriting Life: A Reflection on the Impact of The Human Genome Project, and The Future of Genomics** **George Church**, Professor of Genetics, **Harvard Medical School** **Mark Adams**, Professor & Interim Scientific Director, **The Jackson Laboratory for Genomic Medicine** **Sarie Ishak**, Julie Nguyen Brown Professor of Computational and Mathematical Sciences, **Brown University**
10:15	**Panel Discussion: Multi-Modal Data at Scale: Discovery, Governance, and Trust** **John Tattersa**, 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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11:20	**Right Read for the Right Task: Orchestrating Multiple Platforms Across the Biologics Pipeline** **Yang Song** Associate Director, Scientist **AstraZeneca**	**AI-Powered Cross-Level Cross-Scale Cross-Species Multi-Omics Integration And Predictive Modeling For Drug Discovery** **Lei Xie** Professor **Northeastern University**	**Panel Discussion: From AI Tools to AI Systems: Operationalizing AI in Drug Discovery** **Julia Fox** Director, Data Sciences **Takeda** **Devin Chen** Director, Data Science, NGTx **BioLegend** **Shicheng Guo** Senior Director of Translational Genetics and Genomics **AmeriHealth HomeCare** **Ben DeMeo** Senior Machine Learning Researcher **Vertex Inc.**	**Target Gene Nathaniel: A Dual-Use Platform for Target Evaluation** **Jennifer Heyward** Associate Director, Scientific Informatics **Bloat**	**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 Kinsella** PhD Student **University of Aarhus**	**Unraveling Histone Modification Machinery: Structural Mechanisms of Epigenetic Regulation in Cancer** **Evan Worden** Assistant Professor **Van Andel Institute**	**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 Mera Vega** Global Senior Director Early Detection **AstraZeneca** **Elaine Joseph** Director, Precision Medicine **AstraZeneca**	**WORKSHOP** **Analysis and Visualization of Spatial Transcriptomics Data** **Luca Zanella** Research Scientist and Course Director **Columbia University** **Martin Hemberg** Associate Professor of Neurology **Harvard Medical School**	**NETWORKING: Broden 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 session is your chance to expand your network, share experiences, and spark collaborations in a supportive, women-led environment. You'll hear from the Broden 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	**From Population-Scale Genomics to Viral Association 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**	**Sponsored slot available** *Sponsored by Genomics LTD*	**Emerging Single-Cell Modalities Expanding What We Can Measure with Next-Generation Profiling Technologies** **Caleb Lareau** Assistant Member, Computational and Systems Biology Program **Memorial Sloan-Kettering Cancer Center**	**A unified toolbox for single-cell spatial genomics** **Fei Chen,** Associate Professor **Harvard University** *Sponsored by Takara Bio*	**Use-Specific Epigenetic Regulation of Neurodevelopment via Stress Signaling and Transposons** **Richard Hansen** Associate Professor **University of Massachusetts Boston**	**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** **Sneha Krishnaswamy** Associate Professor of Genetics and of Computer Science **Yale University**	**Operationalizing Spatial Transcriptomics in Clinical Trials: Digital Pathology Integration and Agentic AI Workflows** **Sven Avdas** Associate Director **Takeda**	**Bayer's R&D Data Science Ecosystem – A Central Nervous System to Improve Efficiency and Success Rates in Pharma** **Dan Gunsenheimer** Director of Computational Biology **Bayer**	**Leaving Cellular Genetics from Multimodal Single-cell Asynchrony** **Chenxu Zhu** Assistant Professor and Co-Faculty Member **New York Genome Center**	**Single Cell Spatial Transcriptomics Links Wet Signaling Disruption to Extracellular Matrix Developmental in a Cleft Palate Model** **Jeanette Pita** Postdoctoral Fellow **NIH**	**Rewriting The Epigenomic Playbook: Targeting Epigenetic Drivers of Childhood Cancer** **Dr. Michael Kobolady** Assistant Professor of Oncology **Johns Hopkins University School of Medicine**	**Technologies for Ultrasensitive ctDNA Detection** **Viktor Adalsteinsson** Director, Genome Sequencing Platform **The Broad Institute of MIT and Harvard**		
13:00	**LUNCH BREAK**									

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14:00	**Decoding the Language of Life: A Large Language Model for the RNA World** **John Flow** Professor **University of Colorado Boulder**	**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**	**From Data to Decisions: Building an Agentic AI Platform for Drug Discovery** **Anis Bayegan** Associate Director AI/ML **Catalyst**	**Building an AI-Ready Data Strategy: Lessons From Data Governance at Takeda** **Kirsten Stark** Associate Director Regulatory Data Governance Lead **Takeda**	**Development and Optimization of mRNA-seq Pipelines to Characterize HSC-Derived Hematopoietic Stem Cells using10xFLEX** **Aayush 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 SMC1P-C** **Dudu Saraiji** Postdoctoral Fellow in the Tartagni Lab **NYU Grossman School of Medicine**	**Ultra-Sensitive ctDNA for MRD Detection in Early-Stage ER+/HER- Lung Cancer: Insights from ADAURA, NeoADAURA, and LAURA** **Ryan Hartzman** Senior Director, Translational Medicine, Oncology R&D **AstraZeneca**		
14:30	**RNA Isoform-to-Protein Mapping Reveals Novel Cancer Biology** **Miles Jain** Assistant Professor **Northeastern University**	**CSF Proteome Reflect Neuronal Excitability Before Amyloid Aggregation in Preclinical AD** **Ashley Hughston** Biofluids Research Scientist, 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 & Computational Sciences **Merck**	**Architecting the Genomic Data Backbone: Scalable Pipelines, Metadata and Versioned Assets** **Yohann Potier** Senior Director of Engineering and Informatics **Tessera Therapeutics**	**Platform-NACCS: Accelerating Target Discovery with Single-Cell Workflows** **Marc Wadsworth** Senior Principal Scientist **Pfizer**	**Advancing Technology Pathology Through Spatial Omics: Challenges, Opportunities, and Case Spaces Insights** **Chandra Sekaranee** Director of Pathology **Novartis Institutes for Biomedical Research**	**Ultrasensitive MRD Monitoring to Predict Response to CDK4/6 Inhibitors in Metastatic Breast Cancer** **Pedram Razavi** Director, Liquid Biopsy and 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®**	**Single-Cell Multi-Omics Integration to Find Blood Targets for Brain Diseases** **Mark Gerstein** Professor, Biomedical Informatics **Yale School of Medicine**	**Building the Lab of the Future - Connecting AI, Digitalization and Automation for Closed-Loop Drug Discovery** **Nora Rieber** Head of Computational Sciences & Data Strategy (NCI 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 **Gravitas Biosciences**	**Application of single-cell analytics to drug discovery and development** **Giorgio Gaglia** Head of Systems Biology Associate Director **Sanofi**	**Mapping Therapeutic Targets in Fibrotic Diseases using Spatial Transcriptomics** **Lauren Gutgesell** Postdoctoral Fellow **Arda Therapeutics**	**How Enhancer Mutations Drive Cancer Cancer Through PRR-Mediated Epigenetic Regulation** **Natalia Baranova** PhD Student **Lewis Sandell University**	**Liquid Biopsies Predict Outcome and Guide Therapy in Patients with Hodgkin Lymphoma** **Julia Fasolkanova** Postdoctoral Research Fellow **Dana-Farber Cancer Institute**		
15:30	**CLOSE**									