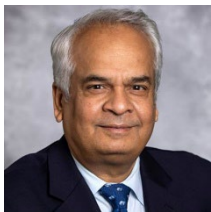


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**Virtual link to the meeting:** <https://gatech.zoom.us/j/97326663979>

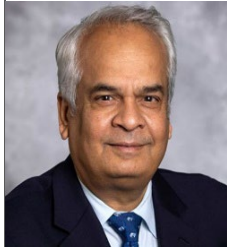
**PLANNED ITINERARY**

<b>Wednesday 23, 2025</b>		
<b>Time</b>	<b>Agenda Item</b>	<b>Location</b>
7:30-8:00 am	Welcome with coffee and pastries.	IBB, Suddath Seminar Room 1128
8:00 am	<b>Spatial Instrumentation</b>  <p><b>Marcus Cicerone</b>  <i>Towards Label-Free Mapping of Spatial Pathway Activation using Coherent Raman Microscopy</i>  School of Chemistry  Georgia Institute of Technology  <a href="mailto:cicerone@gatech.edu">cicerone@gatech.edu</a></p>  <p><b>Johnny Sentmanat</b>  <i>BeamMap (Beam Enabled Accurate Mapping &amp; Molecular Analyte Profiling) of Biological Interfaces</i>  Graduate Research Assistant  Department of Biomedical Engineering  Georgia Institute of Technology  <a href="mailto:Jcsentmanat@bme.gatech.edu">Jcsentmanat@bme.gatech.edu</a></p>  <p><b>Facundo Fernandez</b>  <i>Spatial Metabolomics Technologies: Ultrahigh Mass Resolution, Cyclic Ion Mobility, Single Cell Multimodal, Triboelectric Nanogenerators</i>  Professor  Chemistry &amp; Biology  Georgia Institute of Technology  <a href="mailto:Facundo.fernandez@chemistry.gatech.edu">Facundo.fernandez@chemistry.gatech.edu</a></p>	IBB, Suddath Seminar Room 1128 <b>Virtual link to the meeting:</b> <a href="https://gatech.zoom.us/j/97326663979">https://gatech.zoom.us/j/97326663979</a>
Break 9:30 am	<b>Coffee &amp; Snacks</b>	
9:45 am	<b>Spatial Transcriptomics</b>  <p><b>Hailing Shi</b>  <i>Spatial Genomics Approaches to Understand and Engineer Gene Expression</i>  Assistant Professor  Department of Human Genetics  Emory University School of Medicine  <a href="mailto:Hailing.shi@emory.edu">Hailing.shi@emory.edu</a></p>  <p><b>Jian Hu</b>  <i>mcDETECT: Decoding 3D Spatial Synaptic Transcriptomes with Subcellular-Resolution Spatial Transcriptomics</i>  Assistant Professor  Department of Human Genetics  Department of Biostatistics &amp; Bioinformatics  Emory University School of Medicine  <a href="mailto:Jian.hu@emory.edu">Jian.hu@emory.edu</a></p>	IBB, Suddath Seminar Room 1128 <b>Virtual link to the meeting:</b> <a href="https://gatech.zoom.us/j/97326663979">https://gatech.zoom.us/j/97326663979</a>

	 <p><b>Saurabh Sinha</b>  <i>Methods for Comparing Spatial Transcriptomics Samples and Inferring Contact-Mediated Inter-Cellular Communication</i>  Wallace H. Coulter Distinguished Chair, Professor  Department of Biomedical Engineering  Georgia Institute of Technology  <a href="mailto:Saurabh.sinhau@bme.gatech.edu">Saurabh.sinhau@bme.gatech.edu</a></p>	
11:15 am	<b>Panel Session</b>	<b>In person only</b>
12:00 pm	<b>Lunch &amp; Poster</b>	IBB, Suddath Seminar Room 1128 IBB Atrium
12:45 pm	<b>Spatial Bioinformatics</b>   <p><b>Ping Ma</b>  <i>A Quantum Algorithm for Analyzing Single-Cell Multi-Omics Data</i>  Professor  Department of Statistics  University of Georgia  <a href="mailto:Pingma@uga.edu">Pingma@uga.edu</a></p>  <p><b>Xiuwei Zhang</b>  <i>Evaluating and Improving Knowledge Transfer Between Spatial Transcriptomics and scRNA-seq Data</i>  Assistant Professor  School of Computational Science &amp; Engineering  Georgia Institute of Technology  <a href="mailto:xzhang954@gatech.edu">xzhang954@gatech.edu</a></p>  <p><b>Daisy Liao</b>  <i>Functional Data Analysis of Spatial Proteomics Data</i>  Graduate Student  Rollins School of Public Health Emory  <a href="mailto:Daisy.liao@emory.edu">Daisy.liao@emory.edu</a></p>	IBB, Suddath Seminar Room 1128 <b>Virtual link to the meeting:</b> <a href="https://gatech.zoom.us/j/97326663979">https://gatech.zoom.us/j/97326663979</a>
Break 2:15 pm	<b>Coffee &amp; Snacks</b>	
2:30 pm	<b>Spatial Oncology &amp; Immunology</b>   <p><b>Jindan Yu</b>  <i>Tumor-Intrinsic FOXA1 Regulates Cancer Cell Lineage Plasticity and Tumor Immune Microenvironment</i>  Fray F. Marshall Chair in Biomedical Urologic Research, Professor  Department of Urology  Emory University School of Medicine  <a href="mailto:jindan.yu@emory.edu">jindan.yu@emory.edu</a></p>	IBB, Suddath Seminar Room 1128 <b>Virtual link to the meeting:</b> <a href="https://gatech.zoom.us/j/97326663979">https://gatech.zoom.us/j/97326663979</a>



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4:00 pm

**Spatial Multimodal**



**Drew Williamson**  
*Computational Pathology for Multimodal  
Spatial Analysis*  
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IBB, Suddath Seminar Room 1128  
**Virtual link to the meeting:**  
<https://gatech.zoom.us/j/97326663979>

**Pre-Recorded**

5:30 pm



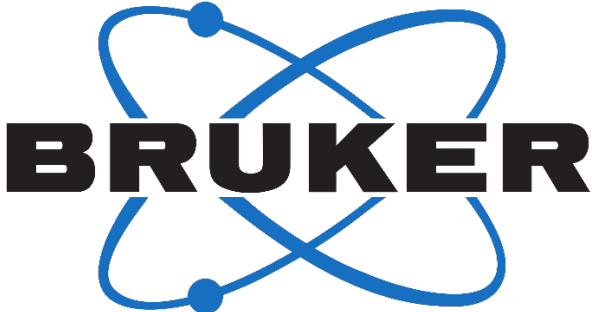
IBB, Suddath Seminar Room 1128  
IBB Atrium

**POSTER SESSION INFO**

NAME	TITLE
Carlos Moreno	Visium-HD spatial RNAseq analysis of aggressive prostatic adenocarcinoma identifies distinct RNA signatures in metastatic and non-metastatic disease
Xueqi Shen	Systematic Evaluation of Spatial Transcriptomics Alignment Methods
James Rose	Integrated Spatial Transcriptomics and Imaging Reveal Cellular Targets of mRNA Lung Delivery
Peter McIlroy	Integrated Spatial Transcriptomics and Imaging Reveal Cellular Targets of mRNA Lung Delivery
Felix Rivera Moctezuma	Practical Guide to SPECTRA-AD – Spatial Profiling and Enriching Colorimetric Technologies Revealing Aging in Alzheimer's in the same Tissue
Zhou Fang	Spatial multi-omics analysis of the minor salivary gland of Sjögren's disease
Tuisha Gupta	Cellular Mechanism of Leuprolide-Mediated Cardiovascular Disease in Prostate Cancer
Ivan Kordic	Spatial Curvature Sequencing in Prostate Cancer
Efe Ozturk	Super Resolution Mass Spectrometry Imaging, Multimodal Integration, & Metabolic Barcoding
Nicholas Zhang	High Cell Throughput, Programmable Fixation Reveals the RNA and protein co-regulation with Spatially Resolved NFkB Pseudo-signaling  Modular, Open-Sourced Multiplexing for Democratizing Spatial Multi-Omics



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