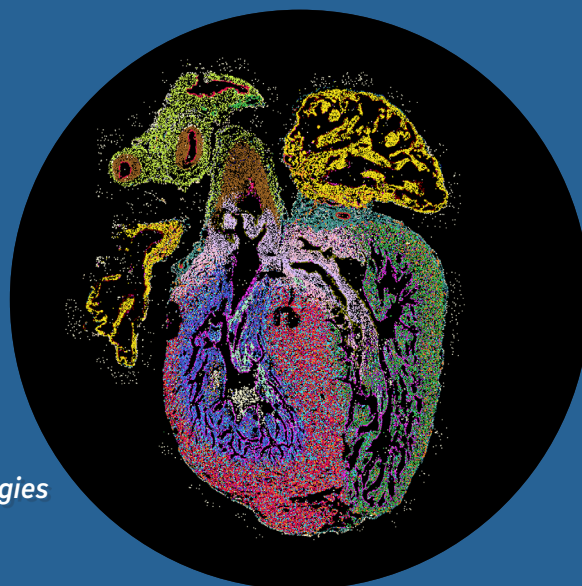


**Wednesday, Jan. 29, 2025**

# SPATIAL EPIGENOMICS VIRTUAL DAY

*The Center for Epigenomics at UC San Diego will host a Spatial Epigenomics Virtual Day to bring together leading researchers to highlight the power of spatial epigenomic technologies and their growing applications across diverse research fields.*



All Time in PST

**8:00 - 8:25 am**

**C4E Introduction**  
**Bing Ren and Quan Zhu**

**8:25 - 9:25 am**

**Siyuan (Steven) Wang**  
*Non-disruptive 3D Profiling of Combinations of Epigenetic Marks in Single Cells*

**9:25 - 9:50 am**

**Jiang He**  
*Mapping the Future of Spatial Genomics with MERSCOPE Ultra Platform*

**9:50 - 10:15 am**

**Brian Long**  
*Cross-species Spatial Transcriptomic Atlas of the Basal Ganglia*

**10:15 - 10:40 am**

**Katy Börner**  
*Human Reference Atlas Construction and Usage*

**10:40 - 11:00 am**

**Break**

**11:00 - 11:25 am**

**Alistair Boettiger**  
*Spatial Feedback Facilitates Epigenetic Memory*

**11:25 - 11:50 am**

**Bogdan Bintu**  
*Identifying Somatic Repeat Expansion in Huntington's Diseased Human Brain Using Spatial Transcriptomics*

**11:50 - 12:15 pm**

**Andrew Cook**  
*HiPCT x CHD – How Might We Link Spatial-omics to (high spatial resolution) Heart Structure in 3D*

**12:15 - 12:40 pm**

**Jeremy Clair**  
*Multi-omics and Spatial-omics Analyses Reveal New Cellular and Molecular Mechanisms Involved in Bronchopulmonary Dysplasia*

**12:40 - 1:05 pm**

**Mercedes Paredes**  
*Understand Human Neurodevelopment and Neurological Disease*

**1:05 - 1:50 pm**

**Break | Afternoon session**

**1:50 - 2:15 pm**

**Ananda Goldrath**  
*Spatiotemporal Imprinting of T Cell Responses to Infection*

**2:15 - 2:40 pm**

**Xiaojie Qiu**  
*Spatiotemporal Modeling of Molecular Holograms*

**2:40 - 3:00 pm**

**Break**

**3:00 - 3:25 pm**

**Xin Jin**  
*Scalable Investigation of Gene Function and Organ-wide Actions in Vivo*

**3:25 - 3:50 pm**

**Neil Chi**  
*Spatially Organized Cellular Communities for the Developing Heart*

**3:50 - 4:15 pm**

**Dmitry Lyumkis**  
*SeEN the unSeEN: The Structural Basis of RORt Binding to Chromatin*

**4:15 - 4:35 pm**

**Kamila Belhocine**  
*Visium HD and Xenium: Complementary Spatial Technologies Built to Tackle Biology's Biggest Challenges*

**4:35 - 4:55 pm**

**Colin Ng**  
*Mapping the Next Frontier: Spatial Epigenome Analysis Powered by AtlasXomics*

**4:55 pm**

**Closing remarks**

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INFORMATION  
AND TO  
REGISTER**

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