

**Emerging Scholars in Genome Sciences Symposium****September 24-25, 2024****Pinn Hall Conference Center****Agenda****Tuesday, September 24****Emerging Scholars in Genome Sciences Symposium Day 1** – Pinn Hall Conference Center

9:00-9:20am	<b>Welcome Remarks</b> – Auditorium Charles Farber, Chair, Department of Genome Sciences Melina Kibbe, Dean, School of Medicine Chongzhi Zang, Chair, Symposium Committee
<u>Session I:</u>	<u>Session Chair – Kristyna Kupkova, Research Associate, Genome Sciences</u>
9:20-10:20am	<b>Keynote: Laura Banaszynski, PhD, UT Southwestern Medical Center</b> <i>Heterochromatin in Pluripotency and Development</i>
10:20-10:50am	Coffee Break
10:55-11:40am	<b>Emerging Scholar Seminar: Qingnan Liang, UT MD Anderson Cancer Center</b> <i>Pathway-centric and Gradient Analysis of Spatial Transcriptomics Data</i>
11:45am-1:00pm	Lunch Break for All Conference Attendees – 2 <sup>nd</sup> Floor, Rooms ABC
<u>Session II:</u>	<u>Session Chair – Catherine Debban, Research Scientist, Genome Sciences</u>
1:05-1:50pm	<b>Emerging Scholar Seminar: Miao Liu, Yale University</b> <i>Imaging-based 3D Genomics and Nucleomics in Health and Disease</i>
1:55-2:40pm	<b>Emerging Scholar Seminar: Sucheol Shin, University of Texas at Austin</b> <i>Demystifying Biophysical Principles in Organization-Dynamics-Function Relationship of Human Chromosome</i>
2:40-3:10pm	Coffee Break
3:15-4:00pm	<b>Emerging Scholar Seminar: Yuxia Xie, Duke University</b> <i>Leveraging AI to Link Pathology Images with Genomic Data for Enhanced Clinical Insights</i>

**Wednesday, September 25****Emerging Scholars in Genome Sciences Symposium Day 2** – Pinn Hall Conference Center

<u>Session III:</u>	<u>Session Chair – Kristyna Kupkova, Research Associate, Genome Sciences</u>
9:05-9:50am	<b>Emerging Scholar Seminar: Shengyuan Wang, University of Virginia</b> <i>Genomic Clustering Tendency of Transcription Factors Reflect Phase-Separated Transcriptional Condensates at Super-Enhancers</i>
9:55-10:40am	<b>Emerging Scholar Seminar: Bicna Song, Children's National Hospital</b> <i>Decoding Heterogenous Single-Cell Perturbation Responses</i>
10:40-11:00am	Coffee Break
11:05-11:50am	<b>Emerging Scholar Seminar: Guochong (Damon) Jia, Vanderbilt University</b> <i>Refining Breast Cancer Genetic Risk and Biology Using Genomic Data from Women of African Ancestry</i>
11:50-12:00pm	<b>Closing Remarks</b> Chongzhi Zang, Chair, Symposium Committee & Charles Farber, Chair, Department of Genome Sciences
12:00-1:00pm	Lunch for All Conference Attendees – 2 <sup>nd</sup> Floor, Rooms A-C