

2021 NCI Virtual Visit to San Antonio-Duke Research Center for Cancer Systems Biology

Wednesday, March 31, 2021, 2:00 pm – 5:00 pm Eastern Time

Join Zoom Meeting

<https://duke.zoom.us/j/94765918294?pwd=aIVsTmh0QU5iUHF1Q2Z4bEMwbHJDZz09>

Time: Mar 31, 2021 02:00 PM Eastern Time (US and Canada)

Meeting ID: 947 6591 8294

Passcode: 597478

AGENDA

2:00 pm – 2:10 pm

Open Remark and U54 Overall Progress

Tim Huang, PhD

Professor & Chair of Molecular Medicine, UTHSCSA

Contact PI, SA-Duke U54 Research Center

Session I: Project 1 Progress -- Chair, Dr. Jason Liu

2:10 pm – 2:20 pm

Jason Liu, PhD, Assistant Professor, UTHSCSA

“Enhancer reprogramming drivers in breast cancer hormone resistance”

2:20 pm – 2:30 pm

Jianhua Ruan, PhD, Professor, UTHSCSA

“Towards robust and explainable prediction of breast cancer metastasis using gene networks”

2:30 pm – 2:35 pm

Q&A

Session II: Project 2 Progress -- Chair, Dr. Qianben Wang

2:40 pm – 2:50 pm

Qianben Wang, PhD, Professor, Duke University

“FOXA1 alters nucleosome positioning and chromatin states in advanced prostate cancer”

2:50 pm – 3:00 pm

Wei Li, PhD, Professor, University of California, Irvine

“Nucleosome dynamics during cancer progression”

3:00 pm – 3:05 pm

Q&A

Session III: Progress on Data Analysis and Outreach Cores-- Chair, Dr. Nameer Kirma

3:10 pm – 3:20 pm

Victor Jin, PhD, Professor, UTHSCSA

“Computational methods on analyzing multi-omics/single-cell sequencing data”

3:20 pm – 3:30 pm

Nameer Kirma, PhD, Associate Professor, UTHSCSA

“Outreach core activities: an integrated outreach effort”

3:30 pm – 3:40 pm

Jason Somarelli, PhD, Assistant Professor, Duke University

“Outreach core activities: an integrated outreach effort”

3:40 pm – 3:45 pm

Q&A

Session IV: Intra Center Pilot Projects -- Chair, Dr. Tim Huang

3:50 pm – 3:55 pm Josephine Amalia Taverna, MD, Assistant Professor, UTHSCSA
“AXL-JAK targeting of the tumor immune microenvironment of lung cancer”

3:55 pm – 4:00 pm Pawel Osmulski, PhD, Associate Professor, UTHSCSA
“Modeling dynamics of interactions between circulating tumor cells and macrophages in prostate cancer”

4:00 pm – 4:05 pm Lizhen Chen, PhD, Assistant Professor, UTHSCSA
“Establishing a mouse model to study enhancer transitions in breast cancer metastasis”

4:05 pm – 4:10 pm Q&A

Session V: Project 3 Progress -- Chair, Dr. Victor Jin

4:15 pm – 4:25 pm Chun-Liang Chen, PhD, Associate Professor, UTHSCSA
“Modeling biophysical dynamics of receptor tyrosine kinases in castration-resistant prostate cancer”

4:25 pm – 4:35 pm Victor Jin, PhD, Professor, UTHSCSA
“Omics analysis of 3D chromatin regulation in endocrine-resistant breast cancer”

4:35 pm – 4:40 pm Q&A

Close Session: Executing meeting -- Chair, Dr. Tim Huang

4:40 pm – 5:00 pm Wrap-Up with NCI officers & EAB