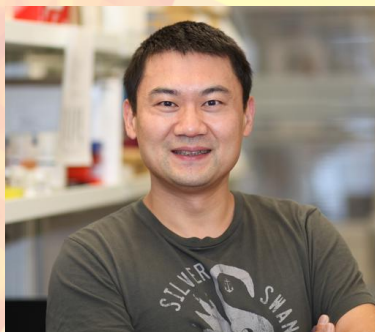


Summer Omics Learning (SOL)

Seminar Series 2020

Sponsored by the University of Michigan
M-LEEd Center's Omics and Bioinformatics Core

Epigenomics “Transposable elements and epigenome evolution”



Ting Wang, PhD

Inaugural Sanford and Karen Loewentheil Distinguished Professor of Medicine
Department of Genetics
Washington University School of Medicine
Monday, July 27th at 12 – 1 PM EST

Register to join here: https://umich.zoom.us/webinar/register/WN_0c8C-xU8QJqJ8M1X-9RUCA

Transposable elements (TE) make up about half of our genome, yet they are understudied due to their repetitive nature and are called “junk DNA”. However, they are an abundant and rich genetic resource of regulatory sequences. Modern genomics provided us an opportunity to interrogate their contribution to genome and epigenome evolution. I will discuss advances made over the last decade in recognizing TE’s role in innovating gene regulatory networks, and more recent surprising findings illustrating how TEs provide genetic redundancy in maintaining 3D genome architecture, and how TE’s deregulation accelerate cancer epigenome evolution.

Registration is required. A small group discussion will take place after the lecture at 1 pm EST. Please indicate your interest in the registration form if you are interested in participating.

Look out for more information on future SOL series webinars:

Exposomics – August 10th at 12 – 1 PM EST

For questions, please contact Katie Zarins (kmrents@umich.edu)