Anat Galis Vivante, PhD

Postdoctoral Fellow

Dr. Guy Nir lab

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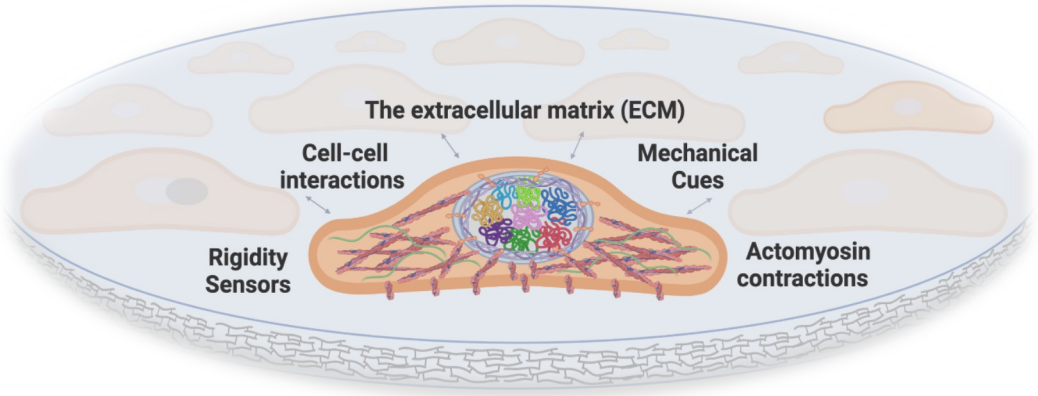


Research Interests: Nuclear Mechanotransduction and its relation to disease, Molecular Genetics, Genome Organization, and Super-Resolution Microscopy.

Strengths or Unique Resources: Multidisciplinary experience. Single-molecule localization microscopy (SMLM), OligoSTORM and Chromatin Tracing, Chromosome conformation capture (Hi-C).

Type of collaborator you seek Anything interesting ☺

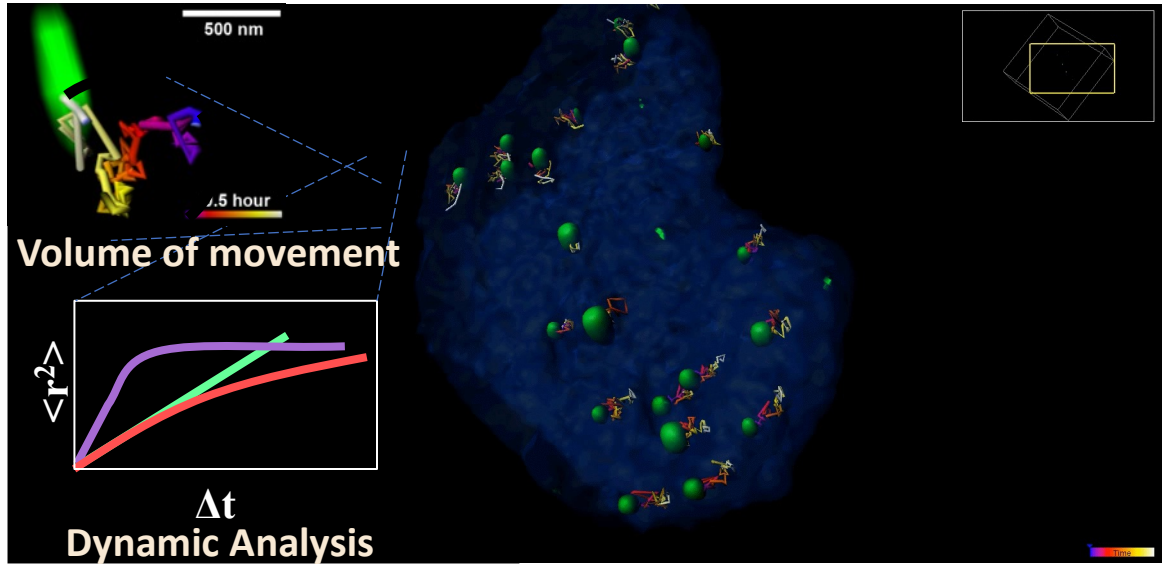
Publication List (link & qr code) https://www.dropbox.com/scl/fi/5jw0ozflj0ouli40pvluk/Publications-Anat-Galis-Vivante.pdf?rlkey=oq32k7f6ijl8k6ti7g2560gu5&st=i67e4wpl&dl=0

Lab or Faculty website (link & qr code) https://nirlab.org/

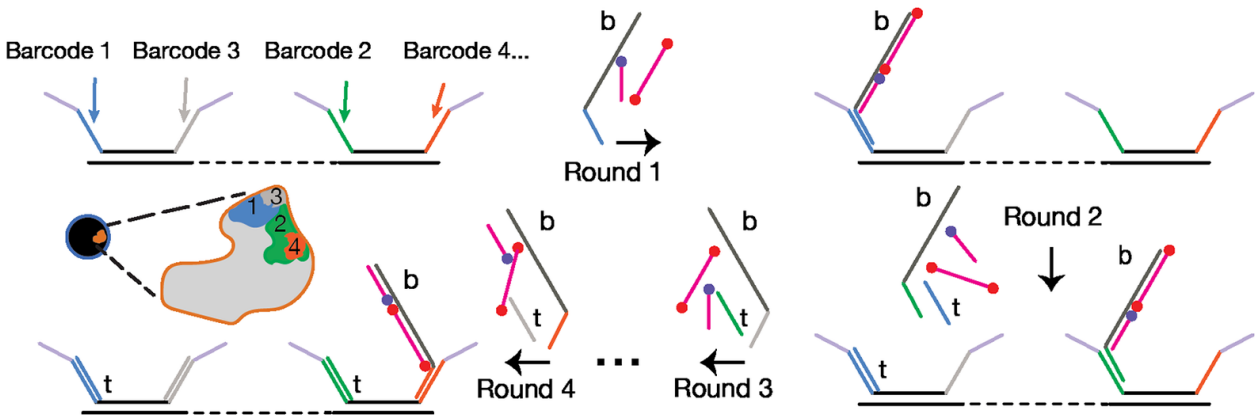
LinkedIn (link & qr code) www.linkedin.com/in/anat-galis-vivante-361905bb

Methods

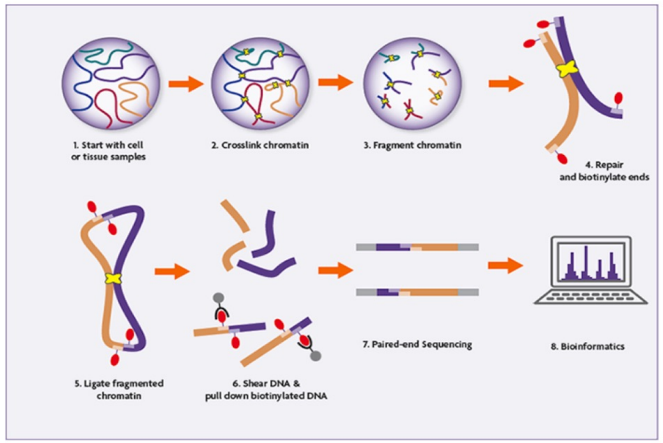
Single Particle Tracking (SPT)

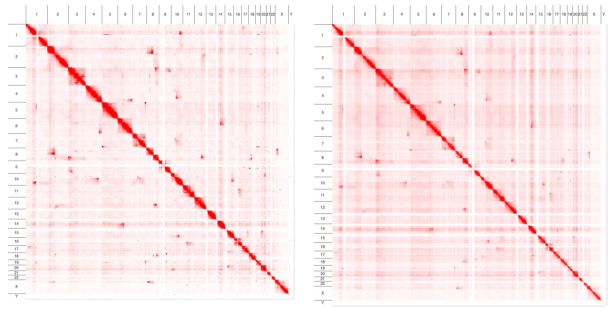


OligoSTORM



Hi-C

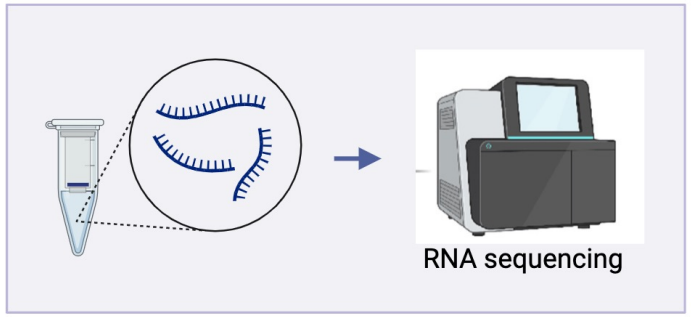


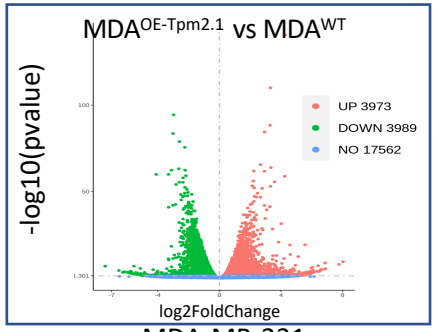


MDA-MB-231
WT

MDA-MB-231
Treated cells

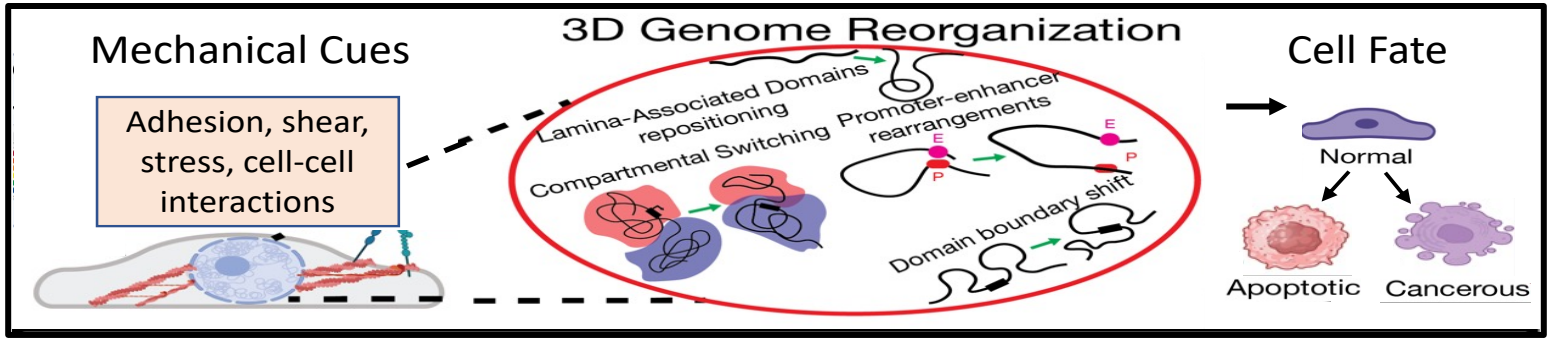
RNA Sequencing

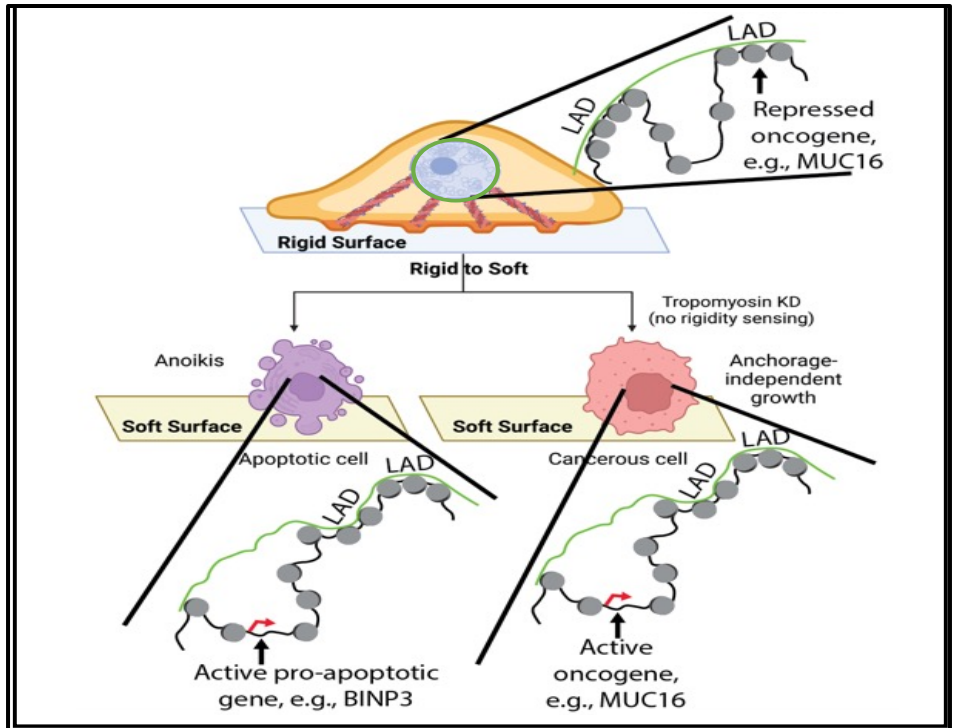




MDA-MB-231
Breast cancer cells

How does the 3D genome respond to mechanical cues and mediate a cell state transition?





My Poster QR code: