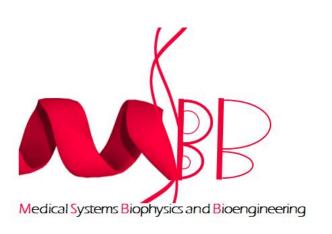
## Me & my Research



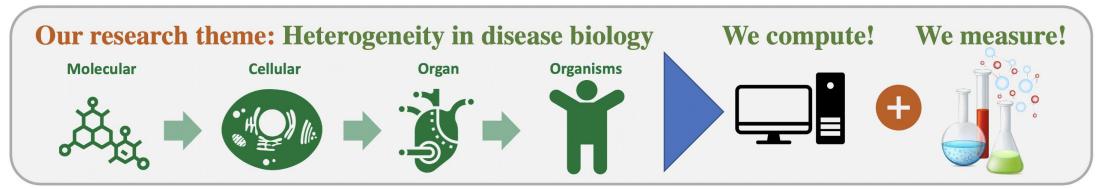
Alireza Mashaghi, Principal Investigator @LACDR

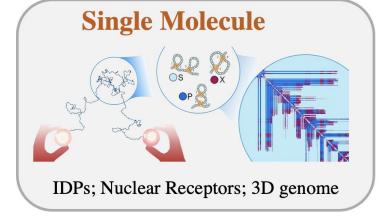
Materials Science (ETH Zurich); Physics (TU Delft, AMOLF)

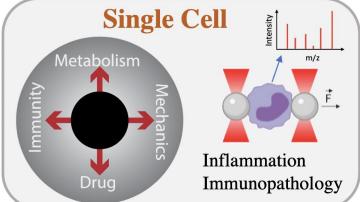
Medicine (Harvard, TUMS)



**Current Research Areas & Ambitions** 

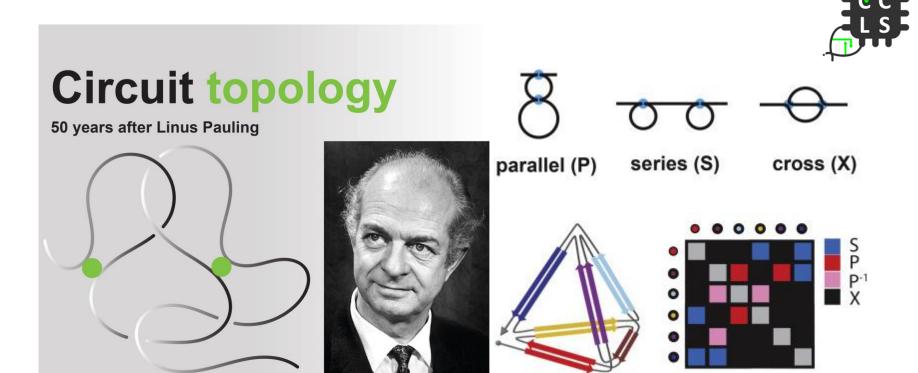








## **My Research Expertise**



## **Collaborations**



















## My Project Idea



- Topological analysis of folded linear chains!
- How to compare and categorize circuit topologies? How to find patterns (motifs)? How to predict topology?
- Vision/Mission
  - Expand the theory! Provide a user-friendly tool!
  - Characterize the biomolecular fold universe!
  - Fold topologies as diagnostic biomarkers! Fold topologies as drug targets!
  - Beneficiaries of project outcomes (medicine; physics; structural biology; genomics)
- Expertise needed to reach project goals, outcomes & impact





