

Asst Prof Yong Ee Hou@SPMS



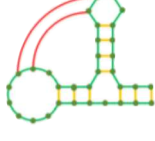
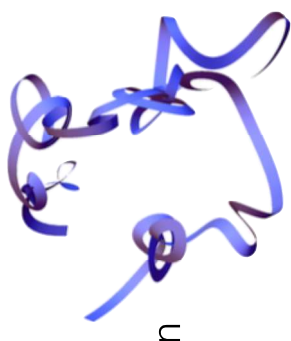
Yong Ee Hou



Tanadet Pipatpolkai
LKY PDeellow@NTU

My Lab's RNA focus using analytical and numerical methods:

- Understanding the geometry and topology of RNA.
- Elastic modeling of biopolymers.
- Large scale MD simulations using Martini3 forcefield (in collaboration with Dr Tanadet Pipatpolkai).
- Simplicity complex representation of long-range/many body interactions in biopolymers (in collaboration with A/P Xia Kelin).
- RNA folding and connection to random matrix theory.



Collaborative Potential:

- MD simulations to predict the dynamic and the folding of the RNA after the transcription to study their respective structures.
- Graph Neural Network and their applications in biopolymers and therapeutics.



<https://personal.ntu.edu.sg/eehou>



NANYANG
TECHNOLOGICAL
UNIVERSITY

Asst Prof YONG Ee Hou

Yong Group: Theoretical Biological & Statistical Physics