

## Special BiophysTO Talk

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## Biological Networks at Atomic Resolution

Systems biology aims to build a working model of the cell by first mapping the network of interactions among proteins and other biomolecules in the cell. While highly successful, this network-based view of the cell treats biomolecules and their interactions as nodes and edges with little atomic details. Here, I will present recent work on constructing genome-scale structural models of nodes and edges within protein-protein interaction networks. I will show that this structural systems biology approach provides useful insights in evolutionary biophysics, species interaction, and human disease.

*Host: Drs. Hue Sun Chan and Zhaolei Zhang*

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Wednesday, March 16, 2016 – 11:00 am  
CCBR Red Seminar Room