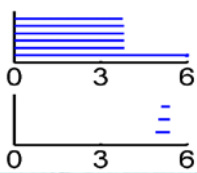
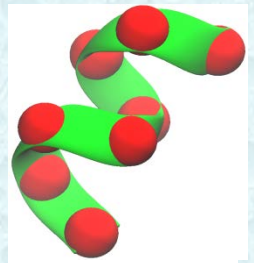
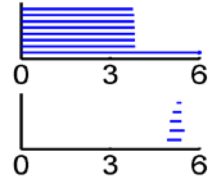


# NSF-CBMS Conference: Mathematical Molecular Biosciences and Biophysics



May 13 – 17, 2019  
Department of Mathematics  
The University of Alabama  
<http://cbms.ua.edu>



Mathematical Molecular Bioscience and Biophysics (MMBB) has been emerging as a promising interdisciplinary research area at the interface of mathematics and biology, driven by the trends of contemporary life sciences that transform biosciences from macroscopic to microscopic or molecular, and from qualitative and phenomenological to quantitative and predictive.

This NSF-CBMS conference consists of ten lectures given by the Principal Lecturer, Professor Guowei Wei of Michigan State University, together with research presentations by invited speakers. The lecture series and research talks will provide an overview of the recent advances and current status of MMBB. Numerous areas of mathematics, including differential equations, geometry, topology, graph theory, combinatorics, optimization, machine learning, functional analysis, harmonic analysis, stochastic analysis, and statistical inference, underpin MMBB and many of their successful applications to biosciences will be highlighted in this conference.

This conference is free and open to the public. Registration is required. Limited travel support is available for qualifying graduate students and recent PhDs.

Proceedings of this conference will appear in a special issue of *Computational and Mathematical Biophysics*, <https://www.degruyter.com/view/j/cmb>.

## Organizing Committee:

Shan Zhao, University of Alabama  
Julie Mitchell, Oak Ridge National Lab  
Weihua Geng, Southern Methodist  
Shibin Dai, University of Alabama

## Important dates:

Poster abstract submission: 3/1/2019  
Financial support application: 3/1/2019  
Registration: 3/15/2019  
Hotel reservation: 4/12/2019

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