



Midwest Computational Biomolecular Modeling Symposium

Beckman Institute for Advanced Science and Technology
Room 2269 - 405 N Mathews Ave - Urbana, IL

What does the future of computational modeling hold for us, as scientists and as a society? The answers to this question will prove particularly noteworthy now that the federal government has made it a priority to build an exascale supercomputer within a decade through the National Strategic Computing Initiative. A collective effort towards deploying exascale computing resources to solve real-world biological and biomedical problems requires modelers to brainstorm on the opportunities that lay ahead.

This interdisciplinary symposium will explore concepts, algorithms, and applications in fields such as Physics, Biophysics, Chemistry, Biochemistry, Computer Science, and Biology.

September 15th

9:00 Klaus Schulten

UIUC, Physics

9:40 Sharon Hammes-Schiffer

UIUC, Chemistry

10:20 BREAK

10:30 Jingzhi Pu

IUPUI, Chemistry and Chemical Biology

11:10 Diwakar Shukla

UIUC, Chemical Engineering

11:50 Dong Xu

U. Missouri, Computer Science

12:30 LUNCH

2:00 Marcos Sotomayor

OSU, Chemistry

2:40 Andrew Ferguson

UIUC, Material Science and Engineering

3:20 BREAK

3:30 Zan Luthey-Schulten

UIUC, Chemistry

4:10 Aleksei Aksimentiev

UIUC, Physics

4:50 Narayan R. Aluru

UIUC, Mechanical Science and Engineering

September 16th

8:40 Erik Lijten

Northwestern U., Mechanical Science and Engineering

9:20 Jean-Pierre Leburton

UIUC, Electrical and Computer Engineering

10:00 BREAK

10:10 Benoit Roux

U. Chicago, Biochemistry and Molecular Biology

10:50 Emad Tajkhorshid

UIUC, Biochemistry

11:30 Discussion and Lunch

NIH Center for Macromolecular Modeling and Bioinformatics

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