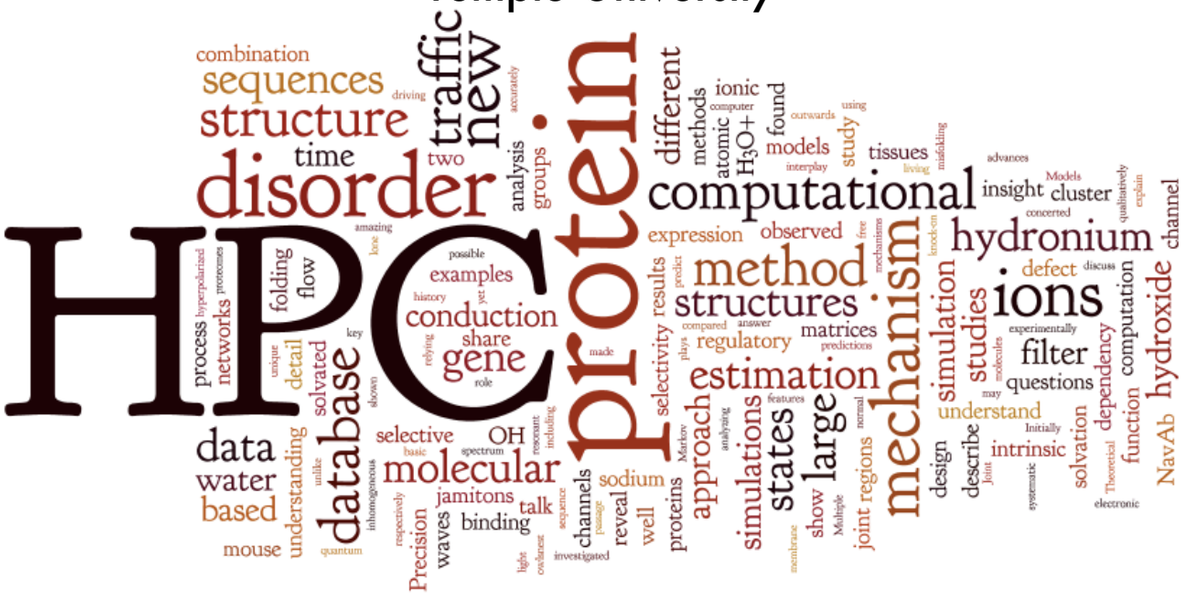
1st Annual Computational Research On Owlsnest (CROO) Symposium

Friday, October 19, 2012
1:00-5:00 pm
1810 Liacouras Walk Conference Suite
Temple University



Join us for a half-day of talks and posters showcasing a broad range of exciting research at Temple made possible by the Owlnest high-performance computing cluster.

More information and poster registration at http://croo.cst.temple.edu

EVENT SCHEDULE

1:00 Welcome and Introduction (Rob Kulathinal)

1:10 High Performance Computing (HPC) at Temple (Ershaad Ahamed)

1:20 Vincent Voelz, Department of Chemistry
Using molecular simulation to study protein folding in atomic detail

1:40 Jinchin Xie, Fox School, Statistics
Joint estimation of multiple precision matrices

2:00 Benjamin Seibold, Department of Mathematics
Modeling, computation, and understanding of phantom jams and stop-and-go waves in highway traffic

2:20 Break for coffee and snacks

2:40 Lucie Delemotte, Institute for Computational Molecular Science
Conduction mechanism of the NavAb sodium channel

3:00 Mohamed Ghalwash, Center for Data Analytics and Biomedical Informatics
Characterization of intrinsic disorder in a large database of protein sequences

3:20 Xifan Wu, Department of Physics
First-principles computational studies of electric binding energies of hydronium and hydroxide solutions in water

3:40 – 5:00 **POSTER SESSION**

Event Organizers: R. Kulathinal, B. Seibold, V. Voelz, X. Wu.

Event Sponsors:

ICMS Institute for Computational Molecular Science

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