



Telluride Science Research Center

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Coarse-Grained Modeling of Structure and Dynamics of Biomacromolecules (registration fees includes Tues and Thurs lunches) 07/23/2012 - 07/27/2012

Andrzej Kloczkowski (Andrzej.Kloczkowski@nationwidechildrens.org)
 Robert L. Jernigan (Jernigan@iastate.edu)
 Florence Tama (ftama@u.arizona.edu)
 Ruth Nussinov (ruthnu@helix.nih.gov)

Meeting Description:

Purpose of the workshop:
 The purpose of the workshop is to bring together eminent scholars with expertise in coarse-grained modeling to study the structure and dynamics of proteins, nucleic acids and other biological macromolecules. Several different aspects of coarse-grained modeling will be discussed, such as:

- i) development of statistical coarse-grained potentials
- ii) structure prediction based on coarse-grained modeling
- iii) prediction of structural flexibility and low-frequency domain motions using normal mode analysis, elastic network models and computer simulations, and their importance for biological functions of macromolecules.

A special focus will be given to the analysis of conformational changes in biological systems using coarse-grained models and their applications to biomolecular machines. A significant emphasis will be given to the diversity at our workshop by having a good balance of gender, ethnic origin and U.S./Non-U.S. citizens among the invited speakers

[Organizing a Meeting](#)

- Venues
- How To Organize a Meeting
- Sample Meeting Schedule
- TSRC Catering
- Restaurant Events

Supporting Files:

[ScheduleCoarseGrainFINAL2.doc](#)

Meeting Venue:

Telluride Intermediate School
 725 West Colorado Avenue Telluride CO 81435
[Click Here for Directions](#)

Meeting Details:

Early Bird Price: \$ 305.00
Last Date that Early Bird Price is Available: 02/29/2012
Regular Price: \$ 405.00
Payment Due Date: 04/01/2012

Cancellation Policy: TSRC can only guarantee refunds on registration fees and lodging charges prior to the "cancellation deadline" date of your specific workshop, which in this case is 04/01/2012. Please take out travel insurance if you may have to cancel after this date.

Registered Meeting Participants:

<i>Participant</i>	<i>Organization</i>	<i>Email</i>	<i>Arrival Information</i>	<i>Departure Information</i>	<i>Interested in Sharing Transportation?</i>
Chen, Shi-Jie	University	chenshi@missouri.edu	7/23	7/26	
Chirikjian, Greg	Johns Hopkins University	gregc@jhu.edu	7/22	7/28	
de Groot, Bert	Max Planck Institute for biophysical chemistry	bgroot@gwdg.de	7/22	7/28	
Dima, Ruxandra	University of Cincinnati	ruxandra.dima@uc.edu	7/24	7/28	
Esai Selvan, Myvizhi	Schrodinger, Inc.	my.selvan@schrodinger.com	7/22	7/29	Y
Feig, Michael	Michigan State University	feig@msu.edu			
Feig, Michael [3rd Reservation]	Michigan State University	feig@msu.edu			
Hunt, John	Columbia University	jfhunt1@gmail.com	7/22	7/27	Y

[TSRC Schools](#)

- Telluride School on Theoretical Chemistry (TSTC)
- ACS Physical Division Award

[Telluride Lodging](#)

- General Info
- Options
- Checking-in

[Telluride Info](#)

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- Visiting Telluride Affordably
- Activities
- Kids Activities
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- FAQs

[Scholarships](#)

- Peter Salamon Young Scientist Award
- Paul Barbara Fellowship

[Community Outreach](#)

- R. Stephen Berry Lecture
- TSRC Scholars
- Pinhead Punk Science
- Telluride Town Talks
- TSRC Internships

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TSRC Media						
Photos	Jernigan, Robert [2nd Reservation]	Iowa State University	jernigan@iastate.edu	7/22	7/27	
Press						
Testimonials	Kihara, Daisuke	Purdue University	dkihara@purdue.edu	7/22	7/27	
Newsletter						
Best of TSRC Stories	Kloczkowski, Andrzej	The Ohio State University	andrzej.kloczkowski@nationwidechildrens.org	7/22	7/28	
	Lee, Donghan	Max-Planck Institute for Biophysical Chemistry	dole@nmr.mpibpc.mpg.de	7/22	7/27	
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	Zou, Xiaoqin	University of Missouri-Columbia	zoux@missouri.edu	7/23	7/27	

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