



## Telluride Science Research Center

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## Coarse-Grained Modeling of Structure and Dynamics of Biomacromolecules 07/05/2010 - 07/09/2010

Andrzej Kloczkowski ([kloczkow@iastate.edu](mailto:kloczkow@iastate.edu))  
Robert L. Jernigan ([Jernigan@iastate.edu](mailto:Jernigan@iastate.edu))  
Florence Tama ([ftama@u.arizona.edu](mailto:ftama@u.arizona.edu))

### 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

### Meeting Venue:

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

### Meeting Details:

**Early Bird Price:** \$ 275.00  
**Last Date that Early Bird Price is Available:** 03/31/2010  
**Regular Price:** \$ 375.00  
**Payment Due Date:** 05/01/2010  
**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 05/01/2010. 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>
Bahar, Ivet	University of Pittsburgh	<a href="mailto:bahar@pitt.edu">bahar@pitt.edu</a>	7/4	7/9	
Brooks, Bernard	National Institutes of Health, NHLBI	<a href="mailto:brb@nih.gov">brb@nih.gov</a>	7/4	7/10	
Chen, ShiJie	University of Missouri	<a href="mailto:chenshi@missouri.edu">chenshi@missouri.edu</a>	7/4	7/10	
Chirikjian, Gregory	Johns Hopkins University	<a href="mailto:gregc@jhu.edu">gregc@jhu.edu</a>	7/5	7/7	
Cui, Qiang	Dept. of Chem. UW-Madison	<a href="mailto:cui@chem.wisc.edu">cui@chem.wisc.edu</a>	7/4	7/7	Y
de Graff, Adam	Arizona State University	<a href="mailto:adam.degraff@asu.edu">adam.degraff@asu.edu</a>	7/4	7/10	Y
Doruker, Pemra	Bogazici University	<a href="mailto:doruker@boun.edu.tr">doruker@boun.edu.tr</a>	7/4	7/9	
Eghbalnia, Hamid R.	University of Cincinnati	<a href="mailto:eghbalhd@uc.edu">eghbalhd@uc.edu</a>	7/4	7/9	Y
Feig, Michael	Michigan State University	<a href="mailto:feig@msu.edu">feig@msu.edu</a>			

Press	Grant, Barry	UCSD	bgrant@mccammon.ucsd.edu	7/4	7/10	Y
Testimonials	Jernigan, Robert	Iowa State University	jernigan@iastate.edu	7/4	7/9	
Newsletter	Kihara, Daisuke	Purdue University	dkihara@purdue.edu	7/4	7/8	
Best of TSRC Stories	Kloczkowski, Andrzej	Iowa State University	kloczkow@iastate.edu	7/4	7/9	
	Liang, Jie	University of Illinois at Chicago	jliang@uic.edu	7/4	7/9	
	Micheletti, Cristian	SISSA	michelet@sissa.it	7/3	7/9	Y
	Miyashita, Osamu	University of Arizona	omiyashita@arizona.edu	7/4	7/11	
	Miyazawa, Sanzo	Gunma Univ.	miyazawa@smlab.cs.gunma-u.ac.jp	7/3	7/10	
	Mukherjee, Srayanta	University of Michigan	srayanta@umich.edu	7/4	7/9	
	Ruvinsky, Anatoly	The University of Kansas	ruvinsky@ku.edu	7/4	7/12	
	Sanbonmatsu, Karissa	Los Alamos National Laboratory	kys@lanl.gov	7/5	7/9	
	Song, Guang	Iowa State University	gsong@iastate.edu	7/4	7/10	
	Sulkowska, Joanna	UCSD	jsulkow@physics.ucsd.edu	7/5	7/9	Y
	Takada, Shoji	Kyoto University	takada@biophys.kyoto-u.ac.jp	7/4	7/7	Y
	Tama, Florence	University of Arizona	ftama@u.arizona.edu	7/4	7/11	
	Trylska, Joanna	University of Warsaw, ICM	joanna@icm.edu.pl	7/4	7/9	Y
	Vajda, Sandor	Boston University	vajda@bu.edu	7/4	7/10	
	Vakser, Ilya	The University of Kansas	vakser@ku.edu	7/5	7/9	
	Vishveshwar, Saraswathi	Indian Institute of Science	sv@mbu.iisc.ernet.in	7/4	7/9	Y
	Zheng, Wenjun	University at Buffalo	wjzheng@buffalo.edu	7/5	7/9	Y
	Zhou, Yaoqi	Indiana University School of Informatics	yqzhou@iupui.edu	7/4	7/9	
	Zou, Xiaoqin	University of Missouri-Columbia	zoux@missouri.edu	7/4	7/9	

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### Telluride Science Research Center

**TSRC is dedicated to being an environmentally sustainable organization.**

P.O. Box 2429  
 Telluride, CO 81435  
 970.708.0004  
[info@telluridescience.org](mailto:info@telluridescience.org)

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