

4th Virginia Tech Structural Biology Symposium

Friday March 27th, 2009

Hosted by
Virginia Tech Crystallography Laboratory

Sponsored by
Oxford Diffraction

College of Science, MCBB, Departments of Biological Sciences, Biochemistry,
Chemistry, Physics and Geosciences

REGISTRATION DEADLINE MARCH 13
Register at www.crystal.vt.edu

Friday March 28th Location: Owens Banquet Hall

8:15-9:00 Registration

9:00-9:10 Welcome and Introduction, Dr. Lay Nam Chang, Dean of the College of Science

9:10-10:30 Session I:

9:10 *The Center for Structural Molecular Biology at Oak Ridge National Laboratory.*
Dr. William T. Heller, Oak Ridge National Laboratory.

10:00 *Temporal resolution of protein signaling events.*
Dr. Cristina Furdui, Wake Forest University School of Medicine

10:30-11:05 Coffee Break

11:05-1:10 Session II:

11:05-12:05 **Keynote Lecture and Highland Chemistry Seminar:** *Lipid bilayers: an essential environment for the understanding of membrane protein structure-function relationships.*
Prof. Timothy Cross, Florida State University & National High Magnetic Field Laboratory.

12:10-1:10 **Keynote Lecture and MCBB lecture:** *Structural analysis of mitosis: engaging of microtubules and kinetochores.* Prof. Eva Nogales, HHMI & UC Berkeley.

1:10-2:15 Lunch

2:15-3:45 Session III:

2:15 *Melanization pathway in insects.* Dr. Jianyong Li, Dept. Biochemistry, VT.

2:45 *Application of molecular dynamics simulations to studies of protein-membrane interactions.*
Dr. David Bevan, Dept. of Biochemistry, VT.

3:15 *Slow conformational fluctuations: from molecular to biological network dynamics.*
Dr. Jinhua Xing Dept. of Biological Sciences, VT.

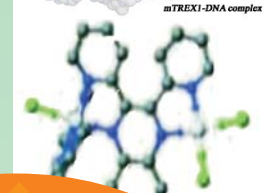
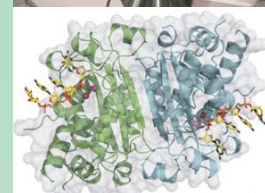
4:00-6:00 Poster Session, Commercial Exhibition and Reception

Location: Owens Banquet Hall

Poster submissions on any aspect of structural biology and related topics are invited from faculty and students. A prize for the best poster will be sponsored by Oxford Diffraction.

Registration is free to all campus members and members of academic institutions. Registration for employees of commercial companies is \$150 per person. Further details at www.crystal.vt.edu

Companies and organisations wishing to exhibit and/or sponsor the meeting should contact rangel@vt.edu



\$200
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