

invites you to attend the  
**4<sup>th</sup> ANNUAL MRBSB MINISYMPOSIUM**



# 21<sup>st</sup> Century Bioscience: IN SILICO METHODS AND HIGH-THROUGHPUT SCREENING

**SATURDAY, SEPTEMBER 11, 2010**

Hauptman-Woodward Medical Research Institute  
700 Ellicott Street, Buffalo, NY

**★ PROGRAM ★**

- 8:00AM Coffee and registration (sign-in and pick up badges)  
8:25AM **Welcome: Alexander N. Cartwright, PhD** (Interim Vice President for Research, University at Buffalo/SUNY)

**MORNING SESSION** (Moderators: **Steven J. Fliesler, PhD**, Depts. of Ophthalmology and Biochemistry, University at Buffalo, and VA Western NY Healthcare System; and **Norma J. Nowak, PhD**, Dept of Biochemistry, University at Buffalo and Dept. of Molecular & Cellular Biology, Roswell Park Cancer Institute)

- 8:30AM **Plenary Lecture I: Larry A. Sklar, PhD** (University of New Mexico Center for Molecular Discovery)  
*Go with the Flow: High-Throughput Screening by Flow Cytometry*
- 9:30AM **Plenary Lecture II: John S. Lazo, PhD** (Dept of Pharmacology and Chemical Biology, University of Pittsburgh)  
*Combinatorial Chemistry Applications in Pharmacology*
- 10:30AM Coffee Break
- 10:50AM **Michael J. Buck, PhD** (Dept. of Biochemistry, University at Buffalo)  
*ChIPing into Chromatin: Determining How Chromatin Structure Regulates Transcription Factor Targeting*
- 11:20AM **Andrei V. Gudkov, PhD** (Dept. of Cell Stress Biology, Roswell Park Cancer Institute)  
*DECIPHER: High-Throughput Functional Genetic Approach to Anti-Cancer Drug Targets*
- 11:50AM Discussion
- 12:00 Noon Lunch

## 1:00pm Poster Session

**AFTERNOON SESSION** (Moderators: **Eaton E. Lattman, PhD**, Hauptman-Woodward Medical Research Institute and Dept. of Structural Biology, University of Buffalo; and **Jennifer A. Surtees, PhD**, Dept. of Biochemistry, University at Buffalo)

- 2:30PM **Plenary Lecture III: Bryan Roth, MD, PhD** (Dept. of Pharmacology, UNC Chapel Hill Medical School, & Div. of Medicinal Chem., UNC Sch. of Pharmacy)  
*Deconstructing Drug Action: In Silico, In Vitro and In Vivo Veritas*
- 3:30PM **Plenary Lecture IV: Menghang Xia, PhD** (NIH Chemical Genomics Center)  
*Quantitative High-Throughput Screening at the NIH Chemical Genomics Center*
- 4:30PM Coffee Break
- 4:50PM **Jack M. Sullivan, MD, PhD** (Depts. of Ophthalmology, Physiology & Biophysics, and Pharmacology & Toxicology, University at Buffalo)  
*Relieving Bottlenecks in RNA Drug Discovery*
- 5:20PM **Rajendram V. Rajnarayanan, PhD** (Dept. of Pharmacology & Toxicology, University at Buffalo)  
*Small Molecules Targeting Specific Transcription Factor Conformations*
- 5:50PM Discussion
- 6:00PM **Closing Remarks: Eaton E. Lattman, PhD** (CEO, Hauptman-Woodward Medical Research Institute; Professor, Dept. of Structural Biology, University at Buffalo)

The University at Buffalo and HWI are hosting the conference and lunch free-of-charge, but **registration is required** for all University events. Register now by emailing **Jennifer Hunt** [jluck@buffalo.edu](mailto:jluck@buffalo.edu) to let her know that you will be attending this minisymposium. Please include your full name and affiliation for the symposium badge. Please use '**21<sup>st</sup> Century Minisymposium**' as the Subject line.

We encourage submission of posters by graduate student and postdoctoral fellows for display and discussion during the minisymposium. Please email **Jennifer Hunt** [jluck@buffalo.edu](mailto:jluck@buffalo.edu) with the following information to register your poster.

**Name**

**Affiliation**

**Poster Title**

We will be distributing information about poster dimensions, format, etc., closer to the time of the symposium.

Learn more about **UB2020: Molecular Recognition in Biological Systems/Bioinformatics** at: <http://www.buffalo.edu/ub2020/strengths/bioinformatics.html>

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