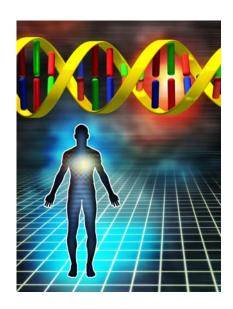


The UB2020 Strategic Strength in Molecular Recognition in Biological Systems and Bioinformatics



invites you to attend the

4th ANNUAL MRBSB MINISYMPOSIUM



21st 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** <u>jluck@buffalo.edu</u> to let her know that you will be attending this minisymposium. Please include your full name and affiliation for the symposium badge. Please use '21st 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** <u>jluck@buffalo.edu</u> 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

Symposium Sponsors

The UB2020 Strategic Strength in Molecular Recognition in Biological Systems and Bioinformatics (MRBSB)

University at Buffalo/The State University of New York

Departments of Biochemistry and Chemistry

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