

NCIBI 4th Annual Research Conference 2009

"Addressing Grand Challenges with Integrative Biomedical Informatics in Translational Settings"
University of Michigan, Palmer Commons Building, 4th Floor, Great Lakes Rooms
April 28-29, 2009

Tuesday April 28

- 9:00-12:00 **Pre-meeting interest groups**
- Tool integration
 - Usability/user interactions
- 12:00-1:00 **Box Lunch**
- 1:00-3:50 **NCIBI Tools and Technology Workshop**
- Brief overview of the NCIBI tools
 - Hands-on training and demonstration with NCIBI tools
- 4:00-5:00 **Keynote Address: " Cyberinfrastructure support for research, challenges and opportunities for the NCBC program "**
- Forum Hall Gwen Jacobs, Ph.D.
Professor, Department of Cell Biology and Neuroscience
Montana State University
- 5:15-6:30 **Wine and Cheese Reception and Poster Session**
- 7:00-9:00 **Dinner (Michigan League)**
Dinner Presentation: TBD

Wednesday April 29

- 8:00 **Breakfast and sign-in**
Great Lakes Rooms, 4th Floor, Palmer Commons
- Morning Session I: Moderator:** Brian Athey
- 8:30-8:45 Kick-off:
Karin A. Remington, Ph.D.
Director, Center for Bioinformatics and Computational Biology
National Institute of General Medical Sciences, National Institutes of Health
- 8:45-9:15 "NCIBI at Year 4: Where have we been and where are we going--challenges and solutions ahead"
Brian Athey, Ph.D.
Professor, Biomedical Informatics
Associate Director, Center for Computational Medicine and Bioinformatics
Principal Investigator, NCIBI
University of Michigan Medical School

NCIBI 4th Annual Research Conference 2009

9:15-9:30

Discussion

9:30-10:05

Core 1 & 2 Update:

H.V. Jagadish, Ph.D.

Professor, Electrical Engineering & Computer Science

Director, Core 1 & 2, NCIBI

University of Michigan

(5 min. video address by John Quackenbush, Ph.D., Professor of Computational Biology and Bioinformatics, Harvard School of Public Health)

10:05-10:15

Discussion

10:15-10:50

Core 4, 5 & 6 Update:

- Barbara Mirel, Ph.D.

Associate Research Scientist, School of Education

Director, Core 5, NCIBI

University of Michigan

- Jim Cavalcoli, Ph.D.

Project Manager, National Center for Integrative Biomedical Informatics

Director CCDU Bioinformatics Core,

Center for Computational Medicine and Bioinformatics

University of Michigan Medical School

- Pilot projects: Co-morbidity of Bipolar Disorder with Substance Abuse in African American Women

10:50-11:00

Discussion

11:00-11:15

Break

Morning Session II: Driving Biological Projects-1; Moderator: Gil Omenn, M.D., Ph.D.

11:15- 11:50

Cancer DBP Update:

- Gil Omenn, M.D., Ph.D.

Professor, Internal Medicine

Director, Center for Computational Medicine and Bioinformatics

University of Michigan Medical School

- Arul M. Chinnaiyan, M.D., Ph.D.

Investigator, Howard Hughes Medical Institute

S.P. Hicks Endowed Professor

Professor of Pathology and Urology

University of Michigan Medical School

- Jim Cavalcoli, Ph.D.

11:50-12:00

Discussion

12:00-12:20

Bipolar DBP update:

Melvin McInnis, M.D.

Thomas B and Nancy Upjohn Woodworth Professor of Bipolar Disorder and Depression

Professor of Psychiatry

NCIBI 4th Annual Research Conference 2009

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Discussion

12:20-12:30

12:30-1:30 **Box lunch (Posters available for viewing)**

Afternoon Session I: Driving Biological Projects-2; Moderator: Gil Omenn, M.D., Ph.D.

1:30-2:20

Diabetes and Metabolic Pathways: Update and new developments

- Matthias Kretzler, M.D.
Associate Professor, Internal Medicine
Research Associate Professor, Computational Medicine and Bioinformatics
University of Michigan Medical School
- Eva Feldman, M.D., Ph.D.,
Russell N. DeJong Professor of Neurology
Director, Program for Neurology Research & Discovery
- Charles Burant, M.D., Ph.D.
Professor, Internal Medicine
Professor, Molecular & Integrative Physiology
University of Michigan Medical School

2:20-2:30

Discussion

Afternoon Session II: Bridging NCBCs, CTSAs, and CaBIG; Moderator: Brian Athey

2:30-3:30

"National interactions to drive translation of bioinformatics into CTSA and CaBIG communities"

- NCIBI and NCBCs:
Brian Athey, Ph.D.
(5 min video address by Eric Topol, M.D., Director, Scripps Translational Science Institute, Chief Academic Officer, Scripps Health)
- i2B2 and CTSAs:
Shawn Murphy, M.D., Ph.D.,
Assistant Professor of Neurology
Medical Director, Research Computing, Partners HealthCare
Harvard Medical School
- caGRID and CaBIG
Joel Saltz, M.D., Ph.D.,
Director, Center for Comprehensive Informatics,
Chief Medical Information Officer, Emory Healthcare,
Professor, Department of Pathology
Emory School of Medicine.

3:30-3:50

Panel Discussion

4:00-5:00

Closing Keynote: " Challenges and Paradigms in Computational Genomics"

NCIBI 4th Annual Research Conference 2009

Forum Hall

Jill Mesirov, Ph.D.
Associate Director and Chief Informatics Officer
Broad Institute

5:00-5:30

Discussion and Closing Remarks

- Brian Athey, Ph.D.
- Gil Omenn, M.D., Ph.D.