

**NCIBI-RCMI Workshop on Translational Bioinformatics
July 29-30, 2010
Palmer Commons Building, Great Lakes Rooms
Draft Agenda**

July 28, 2010 (Wednesday)

Evening - Guests Arrive; Informal Dinner

July 29, 2010 (Thursday)

7:30AM - 8:00AM Continental Breakfast

8:00AM - 8:10AM Welcome

Kenneth J. Pienta, M.D.
Associate Dean, Clinical Research
American Cancer Society Clinical Research Professor
University of Michigan Medical School

Gilbert Omenn, M.D., Ph.D.
Sr. Director, Center for Computational Medicine and Bioinformatics
Professor of Internal Medicine, Human Genetics, Public Health and
Bioinformatics
University of Michigan Medical School

8:10AM - 8:20AM Goals of the Workshop

K.P. Unnikrishnan, Ph.D.
Research Assistant Professor
University of Michigan Medical School

Raphael Isokpehi, Ph.D.
Associate Professor, Department of Biology
Jackson State University

8:20AM - 10:00AM Translational Biomedical Informatics, 2010

8:20AM - 9:10AM Introductory Lecture

Brian Athey, Ph.D.
Chair Designate, Computational Medicine and Bioinformatics
Professor, Biomedical Informatics, Psychiatry and Internal Medicine
University of Michigan Medical School

9:10AM - 10:00AM Discussion

Gilbert Omenn, M.D., Ph.D. (Lead)
University of Michigan Medical School

Brian Athey, Ph.D.
University of Michigan Medical School

Robert Dottin, Ph.D.
Director, Center for Study of Gene Structure & Function
Hunter College, New York

Anthony Hayward, M.D., Ph.D.
Associate Director, National Center for Research Resources
National Institutes of Health

Karin Remington, Ph.D.
Director, Center for Bioinformatics and Computational Biology
National Institute of General Medical Sciences
National Institutes of Health

10:00AM - 12:00PM **Next Generation Sequencing (Room 2036)**

10:00AM - 10:30AM Introduction
Jim Cavalcoli, Ph.D.
Research Investigator, Center for Computational Medicine and
Bioinformatics
Director of the Bioinformatics Core, CCDU for CCMB
Project Manager, NCIBI
Adjunct Assistant Professor, College of Pharmacy
University of Michigan Medical School

10:30AM - 12:00PM Hands-on Data Analysis
Rich McEachin, Ph.D.
Research Investigator, Center for Computational Medicine and
Bioinformatics
University of Michigan Medical School

Yongsheng Bai, Ph.D.
Research Area Specialist
University of Michigan Medical School

12:00PM - 1:00PM Lunch, Discussion

1:00PM - 1:45PM Overview of NCIBI Tools
H V Jagadish, Ph.D.
Bernard A. Galler Collegiate Professor, Electrical Engineering and
Computer Science
University of Michigan Medical School

1:45PM - 2:00PM Discussion, All

2:00PM - 3:20PM **Participant Presentations and Discussion**

2:00PM - 2:20PM International Collaborative Technologies for Bioinformatics Education and
Community Health
Robert Dottin, Ph.D.
Director, Center for Study of Gene Structure & Function
Hunter College, New York

2:20PM - 2:40PM Genomics of Prostate Cancer Health Disparity-Beyond the Gene List
Romonia Renee Reams, Ph.D.
Associate Professor
Florida A & M University, College of Pharmacy

2:40PM - 3:00PM Influence of Tumor-Stromal Interactions on Metastatic Prostate Cancer
Clayton Yates, Ph.D.
Assistant Professor, Department of Biology and Center for Cancer
Research
Tuskegee University, Alabama

3:00PM - 3:10PM Break

3:10PM - 4:30PM Participant Presentations and Discussion

3:10PM - 3:30PM Probabilistic Reasoning for Medical Decision Support
Omolola I. Ogunyemi, Ph.D.
Director, Center for Biomedical Informatics
Associate Professor, Medical Sciences Institute
Charles Drew University of Medicine and Science

3:30PM - 3:50PM Developing Computational Tools for RNA Structural Prediction, Proteomics
Analysis, and Mammogram Enhancement
Ming-Ying Leung, Ph.D.
Professor, Department of Mathematical Sciences
Director, Bioinformatics Program
The University of Texas at El Paso (UTEP)

3:50PM - 4:10PM Do the Gut Flora Play a Role in Colon Carcinogenesis in African Americans?
Hassan Brim, Ph.D.
Assistant Professor, Department of Microbiology and Pathology
Howard University

4:10PM - 4:30PM Discussion
Brian Athey, Ph.D.
University of Michigan Medical School

Karin Remington, Ph.D.
National Institutes of Health

4:30PM - 6:00PM Poster Session, Reception

6:30PM Dinner for participants and guests at Dr. Brian Athey's house

July 30, 2010 (Friday)

**8:00AM - 9:30AM Advisory Committee Meeting: Workshop Formalization for 2011
(Boardroom 1, 6th Floor)**

8:00AM - 8:30AM Continental Breakfast

8:30AM - 10:45AM Metabolomics: (Room 2036)

8:30AM - 9:15AM Introduction
Charles Burant, M.D., Ph.D.
Professor, Internal Medicine-Endocrinology and Metabolism
Professor, Molecular and Integrative Physiology
University of Michigan Medical School

9:15AM - 10:45AM	<p>Hands-on Data Analysis Alla Karnovsky, Ph.D. Research Investigator, Center for Computational Medicine and Bioinformatics University of Michigan Medical School</p>
10:45AM - 11:00AM	<p>Break</p>
11:00AM - 12:00PM	<p>Presentations by Workshop Participants</p>
11:00AM - 11:20AM	<p>RTRN Collaborative Research Activities Furqan Haq, Ph.D. Project Manager Research Centers in Minority Institutions Translational Research Network Charles Drew University of Medicine and Science</p>
11:20AM - 11:40AM	<p>Population Genomics of the Lyme Disease Pathogen Wei-Gang Qiu, Ph.D. Associate Professor of Biology Hunter College & Graduate Center, City University of New York</p>
11:40AM - 12:00PM	<p>Clinical Proteomics Discovery Core Facility Provides New Resources for Biomedical Research Bonnibel Nelis Delgado Colon, M.S. Research Assistant II Proteomics Core Research Facility, UPR-MSC</p>
12:00PM - 1:00PM	<p>Working Lunch, Discussion</p>
1:00PM - 2:00PM	<p>Exploration of Collaborative Projects using NCIBI Tools and Datasets Jim Cavalcoli, Ph.D. University of Michigan Medical School</p> <p>Raphael Isokpehi, Ph.D. Jackson State University</p> <p>K.P. Unnikrishnan, Ph.D. University of Michigan Medical School</p>
2:00PM - 3:00PM	<p>Wrap-Up & Discussion Brian Athey, Ph.D. University of Michigan Medical School</p> <p>Michael Sayre, Ph.D. Deputy Director, Division of Research Infrastructure National Center for Research Resources National Institutes of Health</p>