

3rd Principal Investigators Meeting Agenda

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Innovative Molecular Analysis Technologies Programs
July 8-10, 2002
Westfields International Conference Center
Chantilly, Virginia

Agenda

MONDAY, JULY 8, 2002

7:00 a.m. - 8:00
a.m.

Registration
Breakfast and Poster Setup

8:00 a.m.

Keynote: Challenges in Cancer Research
Dr. Ed Harlow, Harvard Medical School

Session 1-Generating the Knowledge Base for Cancer Research

9:00 a.m.

Fundamental Clustering Approach To Genomic Analysis
Dr. Ray Cho, Ingenuity Systems, Inc.

9:30 a.m.

Highly Parallel Single Cell Monitoring of Receptor-Triggered Membrane Translocation of a Calcium Sensing Protein Module
Dr. Mary Teruel, Stanford University

10:00 a.m.

Break

10:30 a.m.

Vertical Arrays for Gene Expression Analysis
Dr. John Welsh, Sidney Kimmel Cancer Center

11:00 a.m.

The C. elegans ORFeome: Version 1.0 and Beyond
Dr. David Hill, Dana-Farber Cancer Institute

11:30 a.m.

Application of the Directional Change Assessment Algorithm on Microarray Data To Underscore Markers that Distinguish Ovarian, Breast and Prostate Cancer
Dr. Peter Tolias, Center for Applied Genomics, Public Health Research Institute

noon

Lunch

1:00 p.m.

Presentation: High Throughput Genome Technologies: Clinical and Industrial Applications
Dr. Mike Hogan, University of Arizona

Session 2-Creating Tools for Discovery

- 2:00 p.m. **Protein Profiling Arrays**
Dr. Mark Chee, Illumina, Inc
- 2:30 p.m. **STowards Protein-Detecting Microarrays: Novel Methods for the Isolation of Synthetic, High Affinity Protein Ligands**
Dr. Tom Kodadek, University of Texas Southwestern Medical Center
- 3:00 p.m. **Break**
- 3:30 p.m. **Blind Sources Separation for Partial Volume Correction in Microarray Data Analysis**
Dr. Yue Wang, The Catholic University of America
- 4:00 p.m. **Global Scanning of Single Nucleotide Variations**
Dr. Sherman Weissman, Yale University
- 4:30 p.m. **ROMA, a Method for All Seasons**
Dr. Robert Lucito, Cold Springs Harbor Laboratory
- 5:00-9:00 p.m. **Poster Session and Reception**

TUESDAY, JULY 9, 2002

- 7:00-8:00 a.m. **Registration**
Breakfast and Poster Setup

Keynote Panel: Moving from Discovery To Application

- 8:00 a.m. **FDA-** Capt R.K. Leedham
- 8:30 a.m. **PTO-** Dr. John Doll
- 9:00 a.m. **Dawnbreaker-** Dr. Jenny Servo
- 9:30 a.m. **Questions and Answers**
- 10:00 a.m. **Break**

Session 3-Collaboration: The Key To Success

- 10:30 a.m. **NCI Staff Overview**
- 10:45 a.m. Dr. Tim Huang, Ellis Fischel Cancer Center, University of Missouri-Columbia
- 11:15 a.m. Dr. Richard Levenson, Cambridge Research and Instrumentation
- 11:45 a.m. **Questions and Answers**
- Noon **Lunch**
- 1:00 p.m. **Presentation: Success Story**

Dr. Bill Kaelin, Dana-Farber Cancer Institute

Session 4-Moving New Tools into the Lab & Clinic

- 2:00 p.m. **Development of a Reliable, Routine Process To Isolate/Enrich Cancer Cells from Bone and Peripheral Blood Samples**
Dr. Jeff Chalmers, Ohio State University
- 2:30 p.m. **Automated Measurement of Ras and Rho Activation in Cancer**
Dr. Gerry Boss, University of California, San Diego
- 3:00 p.m. **Break**
- 3:30 p.m. **Novel Proteome Methods for Global Quantitative Protein Profile Comparisons of Human Breast Cancer Metastasis**
Dr. David Speicher, The Wistar Institute
- 4:00 p.m. **Harnessing the SCF Ubiquitination Machinery for Targeted Proteolysis**
Dr. Pengbo Zhou, Weill Medical College of Cornell University
- 4:30 p.m. **High Throughput Proteomics and Genome Annotation Using CD-Tagging**
Dr. Jonathan Jarvik, Carnegie Mellon University
- 5:00 p.m. - 9:00 p.m. **POSTER SESSION AND RECEPTION**

WEDNESDAY, JULY 10, 2002

- 7:00 a.m. - 8:00 a.m. **Breakfast**
- 8:00 a.m. **Presentation: Success Stories-Moving Discoveries into Application**
Dr. Tim Triche, University of Southern California

Session 5-Exploring Human Cancer

- 9:00 a.m. **Automated Minimal Residual Disease Quantification**
Dr. Deirdre Meldrum, University of Washington
- 9:30 a.m. **Mutation Analysis for Tuberous Sclerosis: Technology Development and Molecular Epidemiology Studies**
Dr. Sandra Dabora, Brigham and Women's Hospital
- 10:00 a.m. **Break**
- 10:30 a.m. **Novel Imaging Methods for Gene Discovery in Cancer**
Dr. John Condeelis, Albert Einstein College of Medicine

- 11:00 a.m. **Molecular Staging of Human Squamous Cell Skin Cancer**
Dr. Jim Gale, University of New Mexico
- 11:30 a.m. **Presentation: Success Stories-Moving Discoveries into Application**
Dr. Kathy Klinger, Genzyme Corporation
- 12:30 p.m. **Closing Remarks**