

## 2006 "PROGRESS IN SYSTEMS BIOLOGY" SYMPOSIUM

November 9-10, 2006 National Research Council, 100 Sussex Drive, Ottawa, Ontario

### SYMPOSIUM AGENDA

Day One: Thursday, November 9th

8:00 am	Speaker Lounge Open	<b>Sponsored by Zef Scientific</b>
8:00-8:45 am	<b>REGISTRATION: Cafeteria</b>	<b>Sponsored by Zef Scientific</b>
8:50-9:00 am	Welcome, Introduction, and Announcements	
9:00-9:20 am	Opening remarks: University of Ottawa and National Research Council	

#### Session One: GENOMICS and PROTEOMICS

Morning Chair: Dr Kristin Baetz, University of Ottawa

9:20-10:10 am	<a href="#">Dr. PAMELA SILVER</a>	<b>Discovery and Design of Biological Networks</b>
10:10-10:40 am	<a href="#">Dr. Lynn Megoney</a>	Moving Toward Functional Phosphoproteomics. Measuring and Inferring Global Kinase Activity Patterns
10:40-11:00 am	REFRESHMENT BREAK	<b>Sponsored by Bruker Daltonics Ltd</b>
11:00-11:30 am	<a href="#">Dr. Marjorie Brand</a>	The Use of Quantitative Proteomics to Study Erythroid Differentiation
11:30-12:00 pm	<a href="#">Dr. Alain Stintzi</a>	Unraveling the Secret Life of Campylobacter jejuni
12:00-12:15 pm	<a href="#">Leslie Mitchell</a>	The Systematic Analysis of the NuA4 Histone Acetyltransferase
12:15-12:30 pm	Buffer Time	
12:30-2:00 pm	LUNCH AND POSTERS	

#### Session Two: NETWORK BIOLOGY

Afternoon Chair: Dr Mads Kaern, University of Ottawa

2:00-2:30 pm	<a href="#">Dr. Edwin Wang</a>	Principles of MicroRNA Regulation of Cellular Networks
2:30-2:45 pm	<a href="#">Dr. Richard Gordon</a>	The Differentiation Tree as the Logical Structure of the Genome
2:45-3:00 pm	<a href="#">Dr. Amira Djebbari</a>	Construction of Genetic Networks from the Biological Literature and Microarray Data
3:00-3:20 pm	REFRESHMENT BREAK	<b>Sponsored by AB/Sciex LTD</b>
3:20-3:50 pm	<a href="#">Dr. Benoit Coulombe</a>	A Panorama of the Protein Complexes formed by the RNA Polymerase II Transcription Machinery in Mammals
3:50-4:40 pm	<a href="#">Dr. TREY IDEKER</a>	<b>Protein Network Comparative Genomics</b>
5:00 pm	WINE AND CHEESE RECEPTION	

### SYMPOSIUM AGENDA

Day Two: Friday, November 10th

8:00-9:00 am	Speaker Lounge Open	<b>Sponsored by Zef Scientific</b>
9:00-9:10 am	Welcome and Announcements	

#### Session Three: ENABLING TECHNOLOGIES

Morning Chair: Dr Alain Stintzi, University of Ottawa

9:10-10:00 am	<a href="#">Dr. RICHARD CAPRIOLI</a>	<b>In situ Molecular Imaging and Profiling of Proteins in Tissues using Mass Spectrometry in Biological and Clinical Research</b>
10:00-10:30 am	<a href="#">Dr. David Thomas</a>	Functional and Physical Interactions in the ER
10:30-11:00 am	REFRESHMENT BREAK	<b>Sponsored by Dionex Corporation</b>
11:00-11:30 am	<a href="#">Dr. Peter Swain</a>	Quantifying Fluorescence Measurements in Single Cells
11:30-12:00 pm	<a href="#">Dr. Adam Rudner</a>	The phospho-proteome of the Anaphase Promoting Complex
12:00-12:15 pm	<a href="#">Dr. Christoph Borchers</a>	High-field FTICR-MS for Rapid and Comprehensive Metabolomics
12:15-12:30 pm	<a href="#">Dr. Willard Costain</a>	Proteomic Analysis Of The Temporal Effects Of Cerebral Ischemia On Synaptic Protein Expression
12:30-2:00 pm	LUNCH AND POSTERS	

#### Session Four: BIOINFORMATICS

Afternoon Chair: Dr Fazel Famili, National Research Council

2:00-2:30 pm	<a href="#">Dr. Theodore Perkins</a>	Modeling Gap Gene Dynamics based on Expression and Transcription Factor Binding Data
2:30-3:00 pm	<a href="#">Ziyin Liu</a>	Knowledge Discovery in Genomics: A Multi-strategy Approach
3:00-3:30 pm	REFRESHMENT BREAK	<b>Sponsored by Thermo Electron Corporation</b>
3:30-4:00 pm	<a href="#">Misha Jiline</a>	Knowledge Enriched Mining of Systematic Genome Screens Using Inductive Logic Programming
4:00-4:50 pm	<a href="#">FRANCIS OUELLETTE</a>	<b>Bioinformatics in Systems Biology</b>
4:50-5:00 pm	CLOSING REMARKS Dr. Daniel Figeys	