

6th Annual

# METABOLIC PROFILING

Pathways in  
Discovery  
December 7-8, 2005

PRELIMINARY AGENDA



2nd Annual

## **ANALYTICAL METHODS FOR METABOLIC PROFILING**

Solving Problems in Analysis

December 9, 2005

### **Wyndham Palace Resort and Spa - Orlando, Florida**

#### **Scientific Advisory Board**

Dr. Richard Beger  
NCTR-FDA

Dr. Alvin Berger  
Icoria, Inc.

Dr. Rima Kaddurah Daouk  
Duke University

Dr. Andy Nicholls  
GlaxoSmithKline R&D

Dr. Istvan Pelczer  
Princeton University

Dr. Steven M. Watkins  
Lipomics Technologies, Inc.

Metabolic profiling, or the analysis of all cellular metabolites, provides a powerful new tool for gaining insight into functional biology. Providing a snapshot of the level of numerous small molecules within a cell or a biofluid and how those levels change under different physiological, pharmacological and toxicological conditions, it is complementary to gene expression and proteomic studies.

Currently earmarked by the NIH roadmap initiative as an important area for development, metabolic profiling is actively being applied to studies of drug toxicity, drug efficacy and model organisms, as well as humans and plants. Metabolic profiling and metabolic signatures are now being applied in drug discovery and drug development efforts.

#### **Lead Sponsoring Publications:**



**This conference will explore developments in tools for acquisition of metabolic profiling data, computational approaches for analysis and modeling based on such data, as well as practical applications of metabolic profiling.**

#### **Sponsoring Publications:**



In addition, a one day conference following the Metabolic Profiling meeting will explore the problems and challenges associated with the various analytical methodologies applied to metabolic profiling and discuss ways to overcome these challenges in order to enhance the information returned. Researchers active in any of these areas should make plans to attend the meetings.

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## Advancing the Science

### The Evolution of Metabolic Networks

*Professor Gustavo Caetano-Anolles, Associate Professor of Bioinformatics, Crop Sciences, University of Illinois*

### A Mathematical Structure for Metabolic Profiles

*Professor Jerry Chandler, Research Professor, Krasnow Institute for Advanced Study, George Mason University*

### In Vivo Metabonomic Profiling of the Bioeffector Nitric Oxide: "NObonomics"

*Dr. David Janero, Senior Project Director, Research & Development, NitroMed, Inc.*

## Pharma Applications

### Pharma Case Study: Rapid, High-Throughput Analysis of Mitochondrial Function by Fluorescence-Based Oxygen Respirometry

*Dr. Yvonne Will, Safety Sciences, Pfizer Inc.*

### Identification and Validation of New Therapeutic Targets for the Treatment of Metabolic Diseases

*Dr. John Montana, CSO, Paradigm Therapeutics*

### Metabolic Phenotyping: An Approach to Personalized Dosing

*Dr. Alfred M. Ajami, CSO, Xanthus Life Sciences, Inc.*

### Using Metabolomics to Predict Safety of FDA Regulated Products

*Dr. Richard Beger, Branch Chief, Center for Metabolomics, Systems Toxicology, NCTR*

## Disease Applications

### Metabolite Profiling of Intracellular Parasites

*Dr. Malcolm McConville, Associate Professor, Biochemistry and Molecular Biology, University of Melbourne*

### Metabolite Profiling on Urine Samples from Autistic and Control Children

*Dr. Ana C. Soria, Chemistry, University of York*

### A Functional Analysis of Cardiac Disease through Metabolic Profiling

*Dr. Jules Griffin, The Department of Biochemistry, University of Cambridge*

### Microbial Metabolite and Flux Analysis in Relation to Gut Health

*Dr. Albert de Graaf, Department of Surgery, Wageningen Centre for Food Sciences/University Maastricht*

## Technology Watch

### Industry Scale Metabolite Profiling for Toxicology & Drug Development

*Dr. Arno Krotzky, metanomics Health GmbH, metanomics GmbH & Co. KGaA*

### Metabolomics: Accelerating Drug Discovery and Development with Novel Biomarker Identification

*Dr. John Ryals, President and CEO, Metabolon, Inc.*

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### Integrative Analysis of Complex Physiological Networks

*Professor Francois Iris, President and CSO, Bio-Modeling Systems*

### Increasing the Sensitivity and Resolution of NMR Experiments through Application of Pattern Recognition Techniques

*Dr. Radka Stoyanova, Senior Scientific Associate, Population Sciences, Fox Chase Cancer Center*

### Effective Visual Communication of Clinical Results

*Dr. Michael O'Connell, Director, Life Science Solutions, Insightful Corporation*

### Nutritional Metabolomics: NMR Analysis of Macronutrients in Human Plasma

*Dr. Dean Jones, Professor, Medicine, Emory University*

## Sponsorships and Exhibits

Cambridge Healthtech Institute offers an array of sponsorship packages and exhibit space for you to reach this elite audience. Make a lasting impression as a thought leader by taking advantage of CHI's marketing tools. Sponsorship packages are designed to provide a comprehensive marketing campaign which includes pre-conference, at-conference and post-conference benefits. We are happy to work with you in customizing any package to meet your specific marketing goals.

For additional information please contact:

**Suzanne Carroll at 617-630-1352 or [Scarroll@healthtech.com](mailto:Scarroll@healthtech.com).**

Photo by Steve Vinik. Photo credit Broward County Public Communications.

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## ANALYTICAL METHODS FOR METABOLIC PROFILING

Solving Problems in Analysis

December 9, 2005

### Hotel Information

Wyndham Palace Resort & Spa

1900 Buena Vista Drive

Lake Buena Vista, FL 32830

Ph: 407-827-2727 • Fax: 407-827-6034

Room Rate: \$119 s/d

Res Cutoff: Nov. 15, 2005

### Travel Information Special Airline Discounts Available

Discounts fares are available on United, United Express, United code share flights (UA\*) operated by US Airways, and US Airways Express. You can receive up to a 15% discount if you or your travel agent calls United's toll-free number 1-800-521-4041 and refer to the Meeting ID Number 579YS.

Please call the hotel directly to make your room reservation. Identify yourself as a Cambridge Healthtech Institute conference attendee to receive the reduced room rate. Reservations made after the cut-off date or after the group room block has been filled (whichever comes first) will be accepted on a space-and-rate-availability basis. Rooms are limited, so please book early.

to register: Web: [www.healthtech.com](http://www.healthtech.com) • Phone: 617-630-1300 or toll-free in the U.S. 888-999-6288 • Fax: 617-630-1325 • Mail: 1037 Chestnut Street, Newton Upper Falls, MA 02464 USA

**YES! Register me for**  Metabolic Profiling  Analytical Methods for Metabolic Profiling

Keycode: 530 P

### REGISTRATION INFORMATION

Mr.  Ms.  Mrs.  Dr.  Prof.

Name \_\_\_\_\_

Job Title \_\_\_\_\_ Div./Dept. \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Postal Code \_\_\_\_\_

Country \_\_\_\_\_

Telephone \_\_\_\_\_

Would you like to receive event updates via fax?  Yes  No Fax \_\_\_\_\_

Email\* \_\_\_\_\_

\*Email is not a mandatory field. However, by excluding your email you will not receive notification about online access to pre-conference presenter materials, conference updates and networking opportunities.

### PRICING INFORMATION

#### Commercial

#### Academic, Government, Hospital-Affiliated

#### MULTIPLE CONFERENCE PRICING

##### Metabolic Profiling AND Analytical Methods for Metabolic Profiling

Early Registration Discount until September 16, 2005  \$1570  \$820

Advance Registration Discount until November 4, 2005  \$1720  \$895

Registration after November 4, 2005 or On-Site  \$1920  \$960

#### INDIVIDUAL CONFERENCE PRICING

##### Metabolic Profiling

Early Registration Discount until September 16, 2005  \$1045  \$545

Advance Registration Discount until November 4, 2005  \$1195  \$620

Registration after November 4, 2005 or On-Site  \$1345  \$695

##### Analytical Methods for Metabolic Profiling

Early Registration Discount until September 16, 2005  \$595  \$295

Advance Registration Discount until November 4, 2005  \$695  \$375

Registration after November 4, 2005 or On-Site  \$845  \$475

Poster Discount  \$50 off  \$50 off

### Please send information about related CHI conferences:

- Systems Biology (ISB)  
 Toxicity Biomarkers (BDX)  
 Bioinformatics and Genome Research (BIN)

### PRESENT A POSTER AND SAVE \$50

Cambridge Healthtech Institute encourages attendees to gain further exposure by presenting their work in the poster sessions. To secure a poster board and inclusion in the conference CD, your abstract must be submitted, accepted and registration paid in full by **November 22, 2005**. Register online to use the Poster Abstract Submission form or, if you register by phone, fax, or mail, you will receive Poster Abstract Submission guidelines via email.

I am interested in presenting a poster at:

- Metabolic Profiling**  
 **Analytical Methods for Metabolic Profiling**  
 and will submit a completed one-page abstract by **November 22, 2005** (Please Note: Registration must be paid in full to present poster.)

Title \_\_\_\_\_

### CHA ADVANCES REPORTS

Affiliate authors collaborate with CHA experts to provide a series of reports that evaluate the salient trends in pharmaceutical technology, business, and therapy markets. For more information, visit [www.advancesreports.com](http://www.advancesreports.com), or contact Cindy Ohlman at [cohlman@chadvisors.com](mailto:cohlman@chadvisors.com) or 781-547-0202.

### ADDITIONAL REGISTRATION DETAILS

Each registration includes all conference sessions, posters and exhibits, food functions, and a copy of the conference CD.

### GROUP DISCOUNTS

Special rates are available for multiple attendees from the same organization. Contact David Cunningham at 617-630-1372 to discuss your options and take advantage of the savings.



### HANDICAPPED EQUAL ACCESS

In accordance with the ADA, Cambridge Healthtech Institute is pleased to arrange special accommodations for attendees with special needs. All requests for such assistance must be submitted in writing to CHI at least 30 days prior to the start of the meeting.

### SUBSTITUTION/CANCELLATION POLICY

In the event that you need to cancel a registration, you may:

- Transfer your registration to a colleague within your organization
- Credit your registration to another Cambridge Healthtech Institute program
- Request a refund minus a \$100 processing fee per conference
- Request a refund minus the cost (\$250) of ordering a copy of the CD

NOTE: Cancellations will only be accepted up to two weeks prior to the conference.

Program and speakers are subject to change.

I cannot attend but would like to purchase the conference CD for \$250 (plus shipping). Massachusetts delivery will include 5% sales tax.

Please send information on exhibiting and opportunities to present workshops.

### PAYMENT INFORMATION

Enclosed is a check or money order payable to Cambridge Healthtech Institute, drawn on a U.S. bank, in U.S. currency.

Invoice me, but reserve my space with credit card information listed below.

**Invoices unpaid two weeks prior to conference will be billed to credit card at full registration rate. Invoices must be paid in full and checks received by the deadline date to retain registration discount.** If you plan to register on site, please check with CHI beforehand for space availability.

Please charge:  AMEX (15 digits)  Visa (13-16 digits)  MasterCard (16 digits)  Diners Club (14 digits)

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_


Cardholder \_\_\_\_\_

Signature \_\_\_\_\_

Cardholder's Address (if different from left) \_\_\_\_\_

City/State/Postal Code \_\_\_\_\_

Country \_\_\_\_\_

**FAX OR MAIL YOUR REGISTRATION TO:**  
 Cambridge Healthtech Institute, 1037 Chestnut Street,  
 Newton Upper Falls, MA 02464  
 T: 617-630-1300 or toll-free in the U.S. 888-999-6288  
 F: 617-630-1325 • [www.healthtech.com](http://www.healthtech.com)