



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

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Icoria, Inc.

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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.

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METABOLIC PROFILING



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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 • 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

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 _____

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, or contact Cindy Ohlman at 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.

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