

September 25-29th, 2010

Target Audience

With the implementation of expanded newborn screening and other advances in the field of clinical genetics, the need for healthcare professionals trained in the field of inborn errors in metabolism has increased. Diagnosis and management of these diseases requires an interdisciplinary approach. Dietitians, Nurses, Genetic Counselors, Clinical Practitioners and Second Year Fellows all play critical roles in the care of these patients. Metabolic University is targeted to these professionals newly entering the field of inborn errors in metabolism as well as those in need of a refresher course.

Objectives

At the conclusion of the week, participants should be able to:

- Describe the pathophysiology and primary offending metabolites in common disorders of amino acid, organic acid, urea cycle, carbohydrate and fatty acid metabolism.
- Describe nutrition interventions commonly used disorders of amino acid, organic acid, urea cycle, carbohydrate and fatty acid metabolism.
- Describe common management issues in disorders of amino acid, organic acid, urea cycle, carbohydrate, and fatty acid metabolism as it relates to one's health care profession.
- Describe use of tandem mass spectrometry in the identification of metabolites suggestive of disorders of amino acid, organic acid, urea cycle, carbohydrate, and fatty acid metabolism.

Education Methods

Lectures, group teaching, observations, and interactive sessions

Evaluation

Evaluation by questionnaire will address program content and presentations.

Planning Committee and Tentative Faculty

Laurie Bernstein, MS, RD, FADA
Assistant Professor of Pediatrics
Director of-IMD Nutrition
The Children's Hospital, Aurora CO

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Nutricia North America

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Metabolic Dietitian - Waisman Center
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Clinical Nutrition Specialist
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Associate Professor in Pediatrics, Section Head IMD-Nutrition
The Children's Hospital, Aurora, CO

Erica Wright, MS, CGC
Certified Genetic Counselor, Clinical Genetics and Metabolism
The Children's Hospital, Aurora, CO

Lisa Schlichting, MT (ASCP)
Clinical Staff, UCD Biochemical Genetics Laboratory



The Children's Hospital



Supported in part by:

**NUTRICIA**
Metabolic Nutrition

September 25-29th, 2010

Registration Information:

- Registration Fee:** \$500.⁰⁰ US
(Includes: reception, breakfast four out of five days, all lunches, all coffee breaks, one dinner and shuttle services during the program)
- Registration Deadline:** Registration will remain open until the course is filled.
- International Participants:** We apologize: The September 2010 is open to 2 international attendees on a first come basis. If we can accommodate additional attendees from across the globe, we will send out an e-mail by June 15th 2010.
*Beginning in 2011, we intend to increase the openings available to the international community. We are in the process of incorporating changes to our program that will benefit the metabolic community on a global level.

Payment Information:

- Make checks payable to:** The Children's Hospital – Metabolic University.
We do not accept credit cards.
- International Payments:** Payments can be made by wire transfer or via cashiers (bank) check in US dollar amount. Cashiers checks are preferred.
- Wire Transfer Info:** Direct to: Wire Routing Transit Number 121000248
Bank name: Wells Fargo Bank, N.A.
Bank Address: 420 Montgomery Street, San Francisco, CA 94104
Beneficiary Account Number (BNF): 1010004800
Beneficiary Account Name: The Children's Hospital Association
International Transfers Only: International SWIFT BIC WFBIUS6S
- Refund Policy:** 100% refund before June 1st. 50% refund before July 1st. No refunds after July 1st.

Lodging Information:

- Lodging:** Doubletree Hotel Denver
3203 Quebec Street, Denver, Colorado 80207
- Dates:** September 25-29th, 2010
- Booking Deadline:** August 15th, 2010
- Room Types:** Double or Single
- Rate:** \$99.⁰⁰/night plus CO sales tax

Free shuttle services available from DIA to the hotel as well as to local shopping areas

Book Directly Online!

http://doubletree.hilton.com/en/dt/groups/personalized/RLDV-DT-MUY-20100923/index.jhtml?WT.mc_id=POG

Or call 1-800-222-TREE and ask for Doubletree Denver - Metabolic University



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Metabolic University Registration Form

Fax to: 720-777-7322

(If available, please send business card)

Full Name:

Title and Degree(s):

If RD #:.....

Institution:

Address:

City:

State, Zip, Country:

Telephone:

E-Mail:

Special Diet or Accommodations:

Fax Completed Registration Form to:

Attn: Laurie Bernstein MS RD FADA
720-777-7322
* Direct phone line: 303-724-2341

RDs:
30 CEU's Applied

CGCs:
Can Apply for Level 2

Mail Registration Payment to:

Attn: Laurie Bernstein MS RD FADA
Assistant Professor - Dept of Pediatrics
Director - IMD Nutrition
Clinical Genetics and Metabolism
13123 E. 16th Avenue - Box 153
Aurora, CO 80045



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Course Outline

The Basics

- > Pathophysiology
- > What Do These Labs Mean?
- > Genetics 101

An Overview of IEM Disorders

- > PKU and HCU
- > Organic Acidemias
- > Urea Cycle
- > Fatty Acid Oxidation Defects
- > Glycogen Storage Disease
- > Mitochondria Defects

Nutrition Management

- > Large Neutral Amino Acid Therapy
- > Nutritional Considerations for the Neonate
- > Protein Requirements
- > Galactosemia: The Debate Continues
- > GSD Nutritional Management
- > UCD Nutritional Management
- > Acute Nutritional Management of Adults
- > FAOD Nutritional Management
- > Management of IEM Pregnancies

So Much More!

- > A Look at Functional Disabilities
- > Eat Right, Stay Bright
- > Biochemical Genetics Lab: Presentation and Tour
- > Expanded Newborn Screening
- > Hands on Diet Calculations
- > Interactive Case Study Review
- > Creating Educational Tools and Resources
- > A Family's Perspective

* Please note that MU will begin at 8:30am Saturday September 25th and graduation will be at 11:30 am Wednesday September 29th. Please make your travel plans accordingly. A detailed schedule will be distributed to all confirmed participants.

If you have any questions please contact Laurie Bernstein 303-724-2341

