WHO SHOULD ATTEND?
Everybody who heard about and is interested in tracer methodology for metabolic research and finally wants to know all details to be able to use it in their own research.

WHAT WILL YOU LEARN?
The course will cover the following areas:
Day 1 – Tracers, its detection and principles of tracer methods, e.g.

- Stable and Radioactive Isotopes
- Types of mass spectrometers
- Principles of methods used:
    - Whole body versus regional/organ
    - Isotope dilution versus incorporation
- How to perform tracer studies

Day 2 – Application of tracers in metabolic research, e.g.

- Tracer methods in carbohydrate, fat, protein, amino acid and energy metabolism
- Tracer methods in urea, NO and glutathione metabolism
- Use of stable isotopes in proteomic research

HOW MUCH WILL IT COST?
Registration will be 225 Euro and will include course fee, meals and party.
There will be help from the organisation to arrange:

1. Accommodation nearby the site of the course
2. Travel to and from Clermont-Ferrand. Clermont-Ferrand is located in the center of France and is well served by numerous flights (Clermont-Ferrand Auvergne Airport) and trains

HOW DO YOU APPLY?
Please send a note of interest to the email address below or to any of the organisers and you will receive further announcement and registration forms in due time send to your email address

Irene Faria, Secretary to Pr Yves Boirie.
Phone: + 33- 473608283
Fax: + 33- 473608255
E-mail: irene.FARIA@u-clermont1.fr

HOW TO OBTAIN MORE INFO?
For more and regularly updated information contact one of the organisers

HOW WILL YOU LEARN?
Learning is mainly based on lectures. All lectures will be addressing the material from a practical point of view.

Small workshops will be included in the program to enable participants to practise actual calculations

All delegates will be able to download all the course material from the website before and after the course and receive handouts from the lectures. Helpful literature is “Radioactive and Stable Isotope Tracers in Biomedicine. Principles and Practice of Kinetic Analysis” R.R. Wolfe (ISBN: 0-471-56131-2).

WHAT ELSE DO YOU NEED TO KNOW?
Duration: 2 days (Saturday June 27 and Sunday June 28, 2009)
Venue: Clermont-Ferrand, France
Language: English

ORGANISING COMMITTEE

Gianni Biolo MD, PhD
Dept. of Clinical, Morphological and Technological Sciences, Division of Internal Medicine, University of Trieste, Italy.
biolo@units.it

Nicolaas E.P. Deutz MD, PhD
Center for Translational Research in Aging & Longevity. Donald W. Reynolds Institute on Aging. University of Arkansas for Medical Sciences. Little Rock, United States of America
Email: nep.deutz@ctral.org

Dwight Matthews, PhD
Dept. of Medicine and Chemistry, The University of Vermont
Burlington, United States of America
Dwight.Matthews@uvm.edu, http://www.uvm.edu/~dmatthew/

Olav Rooyackers, PhD
Dept. of Anaesthesiology and Intensive Care, Huddinge University, Hospital, Karolinska Institutet, Stockholm, Sweden.
olav.rooyackers@ki.se

Yves Boirie, PhD
Human Nutrition Unit INRA Université d'Auvergne
58 rue Montalembert BP321
63009 Clermont-Ferrand Cedex 1, France
Yves.Boirie@clermont.inra.fr

Christelle Guillet, PhD
Human Nutrition Unit INRA Université d'Auvergne
58 rue Montalembert BP321
63009 Clermont-Ferrand Cedex 1, France
christelle.guillet@u-clermont1.fr

ESPEN
The European Society for Clinical Nutrition and Metabolism

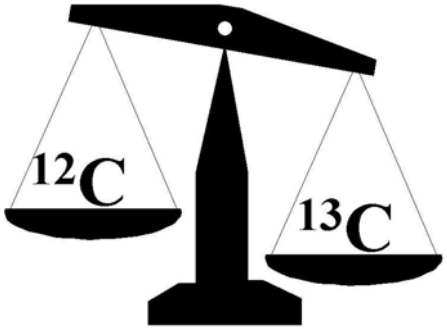
ESPEN

INTENSIVE COURSE IN TRACER METHODOLOGY IN METABOLISM

First announcement

Date: Weekend of June 27 and 28, 2009

Clermont-Ferrand France



A multi-professional faculty of well-known experts will help you to better understand the practicalities of tracer methodology enabling you to confidently engage in tracer studies or giving you a head start building your own tracer lab.