

## ORGANISING COMMITTEE / FACULTY

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

Nicolaas E.P. Deutz MD, PhD  
Translational Research in Aging & Longevity. Department of Health &  
Kinesiology, Texas A&M University, Suite #210, 1700 Research  
Parkway. College Station, Texas 77843-4253, USA. [nep.deutz@ctr.al.org](mailto:nep.deutz@ctr.al.org)

Dwight E. Matthews, PhD  
Depts. of Chemistry and Medicine, The University of Vermont Burlington,  
VT USA. [Dwight.Matthews@uvm.edu](mailto: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](mailto:olav.rooyackers@ki.se)

## ADDITIONAL FACULTY

Gianni Biolo MD, PhD  
Labros S. Sidossis, PhD  
Christelle Guillet, PhD  
John Miles MD, PhD

## SPONSORED BY:



European society of Clinical Nutrition and Metabolism



Cambridge Isotopes Laboratories, Inc.



Sigma-Aldrich

# ESPEN INTENSIVE COURSE IN TRACER METHODOLOGY IN METABOLISM

Date: Weekend of June 28 and 29, 2014

Karolinska Institutet,  
Stockholm Sweden



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.

## WHO SHOULD ATTEND?

Everyone interested in tracer methodology for metabolic research and wants to learn all the details in order to be able to use it in their own research.

## WHAT WILL YOU LEARN?

The course will cover the following areas:

- Tracers, its detection and principles of tracer methods:
  - o Stable and Radioactive Isotopes
  - o Types of mass spectrometers
- Principles of methods used:
  - o Whole body versus regional/organ
  - o Isotope dilution versus incorporation
- How to perform tracer studies
- Application of tracers in metabolic research:
  - o Tracer methods in carbohydrate, fat, protein, amino acid and energy metabolism
  - o Tracer methods in urea, NO and glutathione metabolism
  - o Use of stable isotopes in proteomic research

**A special evening lecture on “Problems and Pitfalls of Using Tracers to Measure *In Vivo* Kinetics” will be given by a Dwight Matthews.**

## HOW MUCH WILL IT COST?

Registration will be €300 and will include course fee, meals and party.

***!! This year ESPEN will support the course by 25 free registrations for young scientists (<35 years). To apply for this free registration please send a letter of motivation for attending the course and your c.v. to [olav.rooyackers@ki.se](mailto:olav.rooyackers@ki.se) before April 30th, 2014. The Organising committee will then select 25 of the applicants for free registration!!***

## 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 announcements and registration forms in due time.

Olav Rooyackers  
[olav.rooyackers@ki.se](mailto:olav.rooyackers@ki.se)  
Tel +46 58586182

## HOW TO OBTAIN MORE INFO?

For more and regularly updated information contact one of the organisers or check out our website: [icu-metabolism.se/tracers.html](http://icu-metabolism.se/tracers.html)

## HOW WILL YOU LEARN?

Learning is based on introductory lectures followed by workshops to perform kinetic calculations. In addition we will have 1-2 workshops where the participant are welcomed to present and discuss their tracer protocols with the faculty and the other participants.

The lectures and workshops will be given by the organising committee and invited faculty for specific topics.

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 28 and Sunday June 29, 2014)  
Venue: Karolinska Institutet, Stockholm, Sweden  
Language: English