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Cambridge Isotopes Laboratories, Inc.

# ESPEN INTENSIVE COURSE IN TRACER METHODOLOGY IN METABOLISM

Date: *Weekend of May 25 and 26, 2024*

Maastricht University Medical Centre<sup>+</sup>,  
Maastricht, The Netherlands



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
- Use of D<sub>2</sub>O methods
- Application of tracers in metabolic research:
  - o Tracer methods in carbohydrate, fat, protein, amino acid and energy metabolism

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

## HOW MUCH WILL IT COST?

Registration will be €400 and will include course fee, coffee breaks, lunches, and BBQ.

## HOW DO YOU APPLY?

Please register here:

<https://forms.gle/v28TvKS1ckCerazK6>

For questions:

Olav Rooyackers

[olav.rooyackers@ki.se](mailto:olav.rooyackers@ki.se)

## 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 4 workshops where the participants 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 May 25 and Sunday May 26, 2024)

Venue: Maastricht University Medical Centre<sup>+</sup>, P. Debyelaan 25, 6229 HX Maastricht, The Netherlands

Language: English