

ESPEN INTENSIVE COURSE IN TRACER METHODOLOGY IN METABOLISM		
Program		
College Station (June 6-7, 2026)		
Information >>	LINK	
Saturday June 6th: HCRB - 675 John Kimbrough Blvd.		
	Speaker(s)	Title
The Basics		<i>Morning Coffee</i>
9:00-9:15	Olav Rooyackers	Course Presentation
9:15-9:45	Olav Rooyackers	Introduction to the use of stable and radioactive isotopes
9:45-10:45	Dwight Matthews	Mass spectrometer methods to measure stable isotope tracers: GC-MS/GC-IRMS/LC-MS
<i>10:45-11:15</i>		<i>Coffee Break</i>
11:15-12:00	Dwight Matthews	Basic tracer calculations
<i>12:00-12:45</i>		<i>Lunch</i>
12:45-13:30	Nicolaas Deutz	Isotope dilution vs isotope incorporation vs pulse approaches
Carbohydrate Metabolism – Energy Expenditure		
13:30-14:00	Dwight Matthews	Energy expenditure – Doubly labelled water
<i>14:00-14:30</i>		<i>Coffee Break</i>
14:30-15:15	Olav Rooyackers	Glucose turnover and gluconeogenesis
15:15-16:15	<i>All Faculty</i>	<i>Workshop 1: Basic tracer calculations and whole body glucose kinetics calculations</i>
16:15-17:00	<i>All Faculty</i>	<i>Workshop 2: Discussion of participant protocols</i>
16:15	<i>Participant Presentation</i>	
16:30	<i>Participant Presentation</i>	
16:45	<i>Participant Presentation</i>	
MORE Basics		
18:00	<i>Dinner & drinks</i>	TAMU Hotel - Corps Room
19:00-20:00	Dwight Matthews	<i>Dinner with the experts!</i> Dr. Dwight Mathews will present his world famous lecture on “Lessons Learned: Problems and Pitfalls of Using Tracers”
20:00-22:00	Blue Daniel Jazz Group	Enjoy the evening with live music, dancing and drinks
Sunday June 7th: HCRB - 675 John Kimbrough Blvd.		
Protein and Amino Acid Metabolism		<i>Morning Coffee</i>
9:00-10:00	Nicolaas Deutz	Whole body kinetics with pulse approaches
<i>10:10-10:15</i>		<i>Coffee Break</i>
10:15-10:45	Nicolaas Deutz	Transorgan balances
10:45-11:45	<i>All Faculty</i>	<i>Workshop 3: Whole body and tissue amino acid kinetics calculations</i>
11:45-12:00	Raven McNew & Laura Ruebush	How to prepare and use stable tracer solutions
<i>12:00-12:45</i>		<i>Lunch</i>
Fat Metabolism – Substrate Oxidation		
12:45-13:15	Elisabet Børshheim	Substrate oxidation
13:15-14:00	Elisabet Børshheim	Fatty acids, glycerol and lipoprotein kinetics
<i>14:00-14:15</i>		<i>Coffee</i>
14:15-14:45	<i>All Faculty</i>	<i>Workshop 4: Whole body and tissue FFA - TG kinetics and oxidation calculations</i>
14:45-15:15	<i>All Faculty</i>	How to design stable tracer protocols. Examples of recent studies
15:15-16:30	<i>All Faculty</i>	<i>Workshop 5: Discussion of participant protocols</i>
15:15	<i>Participant Presentation</i>	
15:30	<i>Participant Presentation</i>	
15:45	<i>Participant Presentation</i>	
16:00	<i>Participant Presentation</i>	
16:15	<i>Participant Presentation</i>	
16:30-17:00	<i>All</i>	Tours though the building
17:00	<i>All Faculty</i>	Closure of the course
FACULTY:		
Nicolaas Deutz	Texas A&M University, College Station, USA	
Dwight Matthews	Vermont Univesity, Burlington, USA	
Olav Rooyackers	Karolinska Institutet, Stockholm, Sweden	
Elisabet Børshheim	UAMS, Little Rock, USA	
Raven McNew	Texas A&M University, College Station, USA	
Laura Ruebush	Texas A&M University, College Station, USA	
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