Sex specific aspects in cardiometabolic research - Why, how and when to consider?

Date:20th-21st January, 2025Venue:Comwell Borupgaard, Nørrevej 80, 3070 SnekkerstenCourse Leaders:Janne Lebeck, Ylva Hellsten and Lasse Gliemann



PROGRAMME

20th J	anuary, 2025
08:00 - 08	
08:45 - 09	Welcome and introduction to the course
	: Sexhormones and their physiological impact Iotte Usselman and Ylva Hellsten
09:00 - 09	Female sexhormones and receptors' role in cardiometabolic health - what we do and do not know Susana Novella, Department of Physiology, University of Valencia (ES)
09:30 - 10	Male sexhormones and receptors' role in cardiometabolic health - what we do and do not know Anne Skakkebæk, MOMA, Aarhus University Hospital (DK)
10:00 - 10	30 Group discussion followed by common discussion with coffee
10:30 - 11	The influence of aging on sexhormone levels and how it affects cardiometabolic health Kerrie Moreau, The Department of Medicine, Division of Geriatrics at the University of Colorado (US)
11:00 - 11	Pharmacological alterations in sexhormones and their influence on cardiometabolic health Ellen Løkkegaard, Nordsjællands Hospital, Copenhagen University Hospital (DK)
11:30 - 12	00 Group discussion on posed questions from lecturers followed by common discussion
12:00 - 12	45 Lunch
12:45 - 14	²⁴⁵ Break - with a fun joint activity
Session 2	: To what extent do sexhormones influence the development of cardiometabolic disease?
Chairs: Susa	na Novella and Janne Lebeck
14:45 - 15	Influence of sex and gender on cardiovascular disease: epidemiology/mechanisms Eva Prescott, Copenhagen University Hospital, Bispebjerg (DK) and Amani Meaidi, Danish Cancer Society (DK)
15:30 - 16	100 Influence of sex and gender on metabolic disease: epidemiology/mechanisms Susanna Hofmann, German Center for Diabetes Research, Ludwig-Maximilians University Munich (DE)
16:00 - 16	30 Walk and talk and refreshments
16:30 - 17	Women, plasma lipids, and atherosclerotic cardiovascular disease Marianne Benn, University of Copenhagen (DK)
17:00 - 17	Steen Larsen, University of Copenhagen (DK)
17:30 - 18	00 Group discussion on posed questions from lecturers followed by common discussion
18:00 - 18	
18:10 - 19	
19:20 - 22	30 Dinner and networking

21st January, 2025 08:20 - 08:30 Welcome: introduction to the content of the day

Irs: Kerrie More	hairs: Kerrie Moreau and Lasse Gliemann		
8:30 - 09:30	The relevance and value of considering both sex and gender in study design Charlotte Usselman, Kinesiology & Physical Education, McGill University (CA)		
9:30 10:00	Do sex differences in metabolic physiology warrant sex specific nutrition recommendations? Faidon Magkos, NEXS, University of Copenhagen (DK)		
0:00 - 10:20	Break & coffee		
0:20 - 10:50	Do sex differences in cardiovascular and metabolic physiology warrant sex specific exercise recommendations? Kerrie Moreau, University of Colorado (US) and YIva Hellsten, NEXS, University of Copenhagen (DK)		
0:50 - 11:20	Sex hormones and brain insulin sensitivity - implications for whole body metabolism and eating behavior Martin Heni, Division of Endocrinology and Diabetology, University Hospital of Ulm (DE)		
1:20 - 11:50	Group discussion on posed questions from lecturers followed by common discussion		
1:50 - 12:35	Lunch		
2:35 - 13:35	Project Pitches Part 2		

Session 4: Methods and Experimental models in sex specific research: considerations			
Chairs:	Yaė	ël Nosser	nt and Christian Aalkjær
13:35		14:05	Experimental investigation of gene expression
	-		Yaël Nossent, NEXS, University of Copenhagen (DK)
14:05		14:25	Animal and cell models and methods to study sex specific aspects
	-		Yaël Nossent, University of Copenhagen (DK) and Steen Larsen, University of Copenhagen (DK)
14:25		14:45	Human/clinical models to study sex specific aspects
	-		Lasse Gliemann, NEXS, University of Copenhagen (DK)
14:45	-	16:15	Workshop on animal and cell models and on human/clinical models (with coffee and refreshments)
16:15	-	16:30	Short break

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Session 5: Getting	Jieuuy ioi	tomorrow s s	ymposium

Chairs: Eva Prescott and Viviany Taqueti

"Crash course" on tomorrow's topics

16:30 - 17:00	Eva Prescott, Copenhagen University Hospital, Bispebjerg (DK) and Viviany Taqueti, Harvard Medical School, Brigham and Women's Hospital (US)
17:00 17:30	In groups: Dive into the programme for the symposium and research the speakers
17:30 - 18:00	Present your group's research for the co-participants of the course
18:00 - 18:20	In groups: What can I do to get the most out of the symposium?
18:20 - 18:30	Short break

Session 6: Concluding Session Chair: Janne Lebeck		
18:30 - 19:00	Festive talk: Lex Sex – Regulation of sex representation in medical research Jakob Wested, Faculty of Law, University of Copenhagen (DK)	
19:00 - 19:15	Final remarks for the course and oral evaluation Course leaders	
19:15 - 22:30	Dinner, networking and drinks	

22nd January, 2025		
08:10 -	Check out and bus to the symposium at Novo Nordisk Foundation, Hellerup	
09:00 - 17:30	Symposium	
17:30 - 20:00	Reception	
17:30 - 20:00	Network, informal dinner and drinks	