Danish Cardiovascular Academy

2025 ATHEROSCLEROSIS COURSE

Comwell Borupgaard

AUGUST 19-22

Atherosclerosis course 2025 (2 ECTS)

Tuesday, August 19

16.00 - 17.00	Arrival & registration
17.00 - 17.30	Welcome
17.30 - 18.15	**Keynote | The REACT study** *Professor Henning Bundgaard, University of Copenhagen , Denmark*
18.30 - 20.00	Dinner
20.00 -	Free time

Wednesday, August 20

07.00 - 08.00	Breakfast
08.00 - 08.15	Welcome back
08.15 - 08.55	**Lecture 1 | Overview of atherosclerosis** *Professor Jacob Bentzon, Aarhus University, Denmark*
08.55 - 09.10	**Oral presentation 1: Loss of endothelial PRDM16 accelerates atherosclerosis and induces a vulnerable plaque phenotype** *PhD Student Pieter Vrancaert, KU Leuven, Belgium*
09.10 - 09.25	**Oral presentation 2: The biophysical dimension of atherosclerosis** *Postdoc. Luca Andronico, Karolinska Instutute, Sweden*
09.25 - 09.55	Coffee break
09.55 - 10.45	**Lecture 2 | Role of lipoproteins in atherosclerosis** *Professor Katariina Öörni, University of Helsinki, Finland*
10.45 - 11.00	**Oral presentation 3: Merseyside Exercise and Diet for Aggregation of LDL (MEDAL) Trial** *PhD Student Alexandros M. Amorginos, Liverpool John Moores University, United Kingdom*
11.00 - 11.40	**Lecture 3 | Inflammation in atherosclerosis** *Assoc. Professor Marit Westerterp, UMC Groningen, the Netherlands*
11.40 - 11.55	**Oral presentation 4: Colchicine Assessment of Low-grade Inflammation and Biomarker Response in Atherosclerosis with Targeted Evaluation** *PhD Student Rasmus Haahr, Copenhagen University Hospitals, Denmark*
12.00 - 13.00	Lunch

13.00 - 13.40	**Lecture 4 | Animal models of atherosclerosis** *Assist. Professor Anton Gisterå, Karolinska Institutet, Sweden*
13.40 - 13.55	**Oral presentation 5: Lineage tracing uncovers endothelial origin of mesenchymal-like cells in progeroid atheromas** *Postdoc. Pilar Gonzalo, CNIC, Spain*
13.55 - 14.10	**Oral presentation 6: Antibody recycling by resident macrophages through FcRn promotes atherosclerotic plaque vulnerability** PhD Student *Shiying Lin, Karolinska Institute, Sweden*
14.10 - 14.40	Coffee break
14.40 - 16.00	**Meet the Lecturers**
16.00 - 18.00	Free time
18.00 - 20.00	Dinner
20.00 - 22.00	**Networking & refreshments** Music quiz! (optional)

Thursday, August 21

07.00 - 08.00	Breakfast
08.00 - 08.15	Welcome back
08.15 - 08.55	**Lecture 5 | Treating atherosclerotic cardiovascular disease** *Head Consultant Anders Berg Wulf, Herlev-Gentofte Hospital, Denmark*
08.55 - 09.10	**Oral presentation 7: Positive Predictive Values of Familial Hypercholesterolemia Diagnoses in The Danish National Patient Registry and The Danish Familial Hypercholesterolemia Registry – A validation study** *PhD Student Jakob Knold, Odense University Hospital, Denmark*
09.10 - 09.25	**Oral presentation 8: Elucidating the degradation pattern of apolipoprotein B-100 from human carotid atherosclerotic plaques using N-terminal proteomics** *PhD Student Nicoline W. Thorsen, University of Copenhagen, Denmark*
09.25 - 09.55	Coffee break
09.55 - 10.45	**Lecture 6 | Genetics in atherosclerosis** *Senior Researcher Maria Sabater Lleal, Institut de Recerca Sant Pau, Spain*
10.45 - 11.00	**Oral presentation 9: Investigating the Mutational Landscape and Clonal Architecture of Human Atherosclerotic Plaques** *PhD Student Matilde Kvist Pedersen, University of Southern Denmark, Denmark*
11.00 - 11.40	**Lecture 7 | Genetic epidemiology and Mendelian Randomization Studies** *Postoc. Liv Tybjærg Nordestgaard , Herlev-Gentofte Hospital, DK and University of Bristol, UK*
11.40 - 11.55	**Oral presentation 10: Effects of a Healthy Nordic Diet or a Low Carbohydrate High PUFA Diet on Circulating Ceramides in Type-2 Diabetes and Prediabetes: secondary analyses of a Randomized Trial** *PhD Student Thomas Roosdorp, Uppsala University, Sweden*
12.00 - 13.00	Lunch

13.00 - 13.40	**Lecture 8 | Understanding atherosclerotic disease heterogeneity and its clinical applications** *Assoc. Professor Michal Mokry, UMC Utrecht, the Netherlands*
13.40 - 13.55	**Oral presentation 11: Plasma Lipoprotein(a) levels are positively associated with interferon responsive monocytes in Black individuals – insights from single cell RNA sequencing** *PhD Student Benedek Halmos, University of Groningen, the Netherlands*
13.55 - 14.10	**Oral presentation 12: Long-term prognostic impact of SGLT2 inhibitors on patients with type 2 diabetes mellitus after ST-elevation myocardial infarction: a Danish nationwide registry study** *PhD Student Yan Zhou, Copenhagen University Hospitals, Denmark*
14.10 - 14.40	Coffee break
14.40 - 16.00	**Group task: Authorship exercise**
16.00 - 17.45	Free time
17.45 - 18.00	Group photo
18.00 - 20.00	Dinner
20.00 - 22.00	**Networking & refreshments** *Kahoot quiz (general knowledge)! (optional)*

Friday, August 22

07.00 - 08.00	Breakfast
08.00 - 08.15	Welcome back
08.15 - 08.55	**Lecture 9 | UK biobank in atherosclerotic research** *Resident Doctor Benjamin Wadström, Herlev og Gentofte Hospital, Denmark*
08.55 - 09.10	**Oral presentation 13: Unbiased analysis of PTMs in smooth muscle cells phenotypic switching during atherosclerosis development** *PhD Student David del Rio Aledo, CNIC, Spain*
09.10 - 09.25	**Oral presentation 14: Cholesterol efflux pathways regulate T cell receptor surface expression** *PhD Student Daisey Methorst, University Medical Centre Groningen, the Netherlands*
09.25 - 09.55	Coffee break
09.55 - 10.45	**Lecture 10 | PREPARE: Risk assessment "home kit"** *Professor Jes Lindholt, Odense University Hospital, Denmark*
10.45 - 11.00	**Oral presentation 15: A high-protein Mediterranean-style diet and resistance exercise in cardiac rehabilitation: A pragmatic pilot study** *Lecturer Richard Kirwan, Liverpool John Moores University, United Kingdom*
11.00 - 11.15	**Oral presentation 16: Pro-Inflammatory Markers Linked to DNMT3A/TET2 Clonal Hematopoiesis in Coronary Artery Disease Patients** *Postdoc. Siamala Sinnadurai, Erasmus MC, the Netherlands*
11.15 - 11.30	Course evaluation
11.30 - 12.00	**Awards for best student presentations** *1 for Basic research and 1 for Clinical research*
12.00 - 13.00	Lunch & Goodbye