

DCAcademy Summer Meeting 2025

22 - 24 June 2025

Storebælt Sinatur Hotel & Konference
Østerøvej 121
5800 Nyborg

Sunday, 22 June 2025

Young investigator day

09:30 - 10:15 **Arrival and coffee**

10:15 - 10:30 **Welcome**
Prof. Thomas Jespersen, Executive Managing Director, DCAcademy

10:30 - 10:45 **Meet & Greet**
Pernille Højvang Nielsen, Course Manager, DCAcademy

Parallel Masterclasses

10:45 - 12:00 **Pharmacology Masterclass I**
Professor Mette Rosenkilde, University of Copenhagen

12:00 - 12:45 **Lunch**

12:45 - 14:00 **Pharmacology Masterclass II**
Assoc. Professor Jørgen Kanters, University of Copenhagen

14:00 - 14:15 **Break / Check-in / change for activities**

14:15 - 16:00 **Outdoor activities**
Stand-up-paddle, bow & arrow, guided mountainbike tour and outdoor fitness

16:15 - 18:00 **Masterclass continued: Case studies and group work**

18:00 - 20:00 **Dinner**

Evening session

Chair: Thomas Jespersen

20:00 - 20:45 **Sudden cardiac death in forensic medicine**

Medical Specialist in Forensics, Kristine Boisen Olsen, University of Copenhagen

20:45 - 23:00 **Networking**



Monday, 23 June 2025

07:00 - 08:30 Breakfast, optional morning run, ocean dip

08:30 - 09:30 **Presentation of group work (parallel)**

Arrival of PI's & senior researchers

09:30 - 09:45 **Welcome to Scientific Programme**
Prof. Thomas Jespersen, Executive Managing Director, DCAcademy

Session 1 Emerging Therapeutical Technologies

Chairs: Jørgen Kanters & Britt Borregaard

09:45 - 10:05 **Emerging Technologies in cardiology - is it time for "Full Metal Jacket"**
Assoc. Prof. Brian Løgstrup, Aarhus University

10:05 - 10:10 Discussion

10:10 - 10:30 **Has AI reached clinical usefulness in cMRI?**
Professor Inga Voges, University Hospital Schleswig-Holstein

10:30 - 10:35 Discussion

10:35 - 10:55 **Shining Light on the Microcirculation: Optical Vascular Imaging for Translational and Clinical Research**
Associate Professor Dmitry Postnov, Aarhus University

10:55 - 11:00 Discussion

11:00 - 11:10 **Abstract presentation (6+3)**

11:10 - 11:35 **Break**



Session 2**Parallel session**

	Emerging Technologies (AI) <i>Venue: Flintholm</i> <i>Chairs: Adam Hulman & Claus Graff</i>	Pharmacology (Vascular) <i>Venue: Sandholm</i> <i>Chairs: Daniel Ketelhuth & Christina Christoffersen</i>	Aging & Stiffness (Clinical Imaging) <i>Venue: Langesand</i> <i>Chairs: Bjørn Strøier Larsen & Flemming Javier Olsen</i>
11:35 - 11:55	11:35 - 12:05 An FDA-approved prediction algorithm that turned out to be The Emperor's New ML Clothes Assoc. Prof. Simon Tilma Vistisen, Aarhus University	11:35 - 12:05 Metabolic control of vascular function Prof. Elena Osto, Medical University of Graz	Age-Related Changes in Tissue Stiffness: Insights from Magnetic Resonance Elastography PhD student Johannes Castelein, University Medical Center Groningen
11:55 - 12:00	Discussion	Discussion	Discussion
12:00 - 12:20			Cardiovascular Imaging in Accelerated Ageing MD. Flemming Javier Olsen, Frederiksberg and Bispebjerg Hospital
12:20 - 12:25	12:10 - 12:40 Generative and Explainable AI in Cardiovascular Disease Management Assist. Prof. Chang Sun, Maastricht University	12:10 - 12:40 The evolving landscape of targets for lipid lowering: from molecular mechanisms to translational implications Prof. Giuseppe Danilo Norata, Università degli Studi di Milano	Discussion
12:25 - 12:45			Cardiac Function in Ageing assessed by Echocardiography Assoc. Prof. Gowsini Joseph, University of Copenhagen
12:45 - 12:50	Discussion	Discussion	Discussion
12:50 - 13:00	Abstract presentation (6+3)	Abstract presentation (6+3)	Abstract presentation (6+3)
13:00 - 14:00	Lunch		

Session 3 Pharmacology - gaps in treatment

Chairs: Ulrike Muscha Steckeling & Peter Søgaard

14:00 - 14:20	Hypertension in Women Professor Eva Gerdt, University of Bergen
14:20 - 14:25	Discussion
14:25 - 14:45	HFpEF Associate Professor Vanessa van Empel, University of Maastricht
14:45 - 14:50	Discussion
14:50 - 15:10	Atrial Fibrillation Professor Dominik Linz, Cardiovascular Research Institute Maastricht & UCPH
15:10 - 15:15	Discussion
15:15 - 15:25	Abstract presentation (6+3)

Session 4 Poster session	
6 groups, 48 posters Venue: 1st floor	
15:25 - 16:45	Chairs: Rikke Buhl & Dominik Linz · Joanna Kalucka & Lasse Bach Steffensen · Anke Fender & Michael Davies ·

3 min. Presentations + 2 min. Q&A

Session 5		Parallel session	
Emerging Technologies (Vascular)		Pharmacology (Molecular/Cardiac)	Aging & Stiffness (Preclinical)
Venue: Flintholm		Venue: Sandholm	Venue: Langesand
Chairs: Ylva Hellsten & Jacob Bentzon		Chairs: Jens Cosedis & Sam Riahi	Chairs: Arnela Saljic & Anke Fender
16:45 - 17:05	Kidney flow imaging Assoc. Prof. Charlotte Mehlin, University of Copenhagen	Treatment of HFrEF Prof. Peter Søgaard, Aalborg Universitet TBC	Nuclear imaging to identify arrhythmia substrate after myocardial infarction Postdoc. Dylan Vermoortele, KU Leuven
17:05 - 17:10	Discussion	Discussion	Discussion
17:10 - 17:30	Cracking the Calcium Code: Optimizing Complex Coronary Interventions with Intravascular Lithotripsy (The Randomized BALI Trial) MD. Andreas Torp Kristensen, Copenhagen University Hospital	Treatment of Transthyretin Amyloidosis Prof. Steen Hvitfeldt Poulsen, Aarhus University	ECM remodelling biomarkers for cardiovascular stiffness and fibrosis Scientist Elisavet Angeli, Nordic Bioscience
17:30 - 17:35	Discussion	Discussion	Discussion
17:35 - 17:55	Modern vascular whole-body FDG-PET techniques Consultant André H. Dias, Aarhus University Hospital	Treatment of HCM MD. Anne Mette Dybro, Aarhus University	Fibrosis in AF: A systematic animal study review MSc Student Rikke Marion Knudsen, University of Copenhagen
17:55 - 18:00	Discussion	Discussion	Discussion
18:00 - 18:10	Abstract presentation (6+3)	Abstract presentation (6+3)	Abstract presentation (6+3)
18:10 - 18:20	Group photo		
18:20 - 18:30	Refreshments		

Award Ceremony

Chair: Professor Christian Aalkjær, Senior Scientific Adviser, DCAcademy

18:30 - 18:45	DCAcademy Rising Star Award
18:45 - 19:10	DCAcademy Lifetime Achievement Award
19:10 - 20:30	Dinner
20:30 - 21:00	Sankt Hans bonfire
21:00 - 22:30	Posters & Refreshments

Tuesday, 24 June 2025

07:00 - 08:30 Breakfast, optional morning run, ocean dip

Session 6 Global Health

Chairs: Leonardo Savassi & Helena Domiguez

08:30 - 08:50 **The Brazilian health system governance for cardiovascular disease – The role of the National Institute of Cardiology**
Prof. Aurora Issa & MD Viviane Belídio, National Institute of Cardiology Hospital, Brazil

08:50 - 08:55 Discussion

08:55 - 09:15 **Palliative care in cardiovascular disease**
Mariana Borges, Homecare Director, Ministry of Health, Brazil

09:15 - 09:20 Discussion

09:20 - 09:35 Break

Session 7 Emerging CV imaging Techniques

Chairs: Ronald Borra & Johannes Castelein

09:35 - 09:55 **Imaging Myocardial Microvascular Reactivity with BOLD MRI**
Associate Professor Ronald Borra, University of Groningen

09:55 - 10:00 Discussion

10:00 - 10:20 **Cardiac PET – Focus on immune system and fibrosis**
Professor Frank Bengel, Hannover Medical School

10:20 - 10:25 Discussion

10:25 - 10:45 Break

Session 8

Parallel session

	Emerging Technologies (Cardiac) <i>Venue: Flintholm</i> <i>Chairs: Alireza Rezaniakolaei & Majid Khazaei</i>	Pharmacology (Endothelial Cell Metabolism) <i>Venue: Sandholm</i> <i>Chairs: Ulf Simonsen & J. David Symons</i>	Aging & Stiffness (Vascular) <i>Venue: Langesand</i> <i>Chairs: Charlotte Mehlin & Jane Stubbe</i>
10:45 - 11:05	Intracardiac energy harvester for leadless pacemaker battery charging Prof. Sam Rihai, Aalborg University Hospital & Assoc. Prof. Alireza Rezaniakolaei, Aalborg University	Metabolism & metabolites in intercellular communication Prof. Ingrid Fleming, Goethe University	10:45 - 11:15 The sound of aging: probing vascular brain health with functional ultrasound imaging Assist. Prof. Stefano Tarantini, University of Oklahoma
11:05 - 11:10	Discussion	Discussion	Discussion
11:10 - 11:30	New pacing modes and types of implantable cardioverter-defibrillators to treat heart rhythm disorders. Ready for widespread use? Prof. Jens Cosedis Nielsen, Aarhus University	Title TBA Prof. Sebastiano Sciarretta, Sapienza University of Rome	11:20 - 11:50 EVA in the kidney microcirculation Assoc. Prof. Karolina Kublickiene, Karolinska Institute
11:30 - 11:35	Discussion	Discussion	
11:35 - 11:55	Aortic Phlex – A novel aortic annuloplasty ring for aortic valve repair Postdoc. Mariam Noor, Aarhus University	Crosstalk Between Metabolic and Immune Pathways in Regulating Vascular Biology Assoc. Prof. Joanna Kalucka, Aarhus University	
11:55 - 12:00	Discussion	Discussion	Discussion
12:00 - 12:10	Abstract presentation (6+3)	Abstract presentation (6+3)	Abstract presentation (6+3)
12:10 - 13:00	Lunch		

Keynote speech

Chair: Prof. Dominik Linz

13:00 - 13:45 **Cardiogenic shock**
Professor Christian Hassager, Chief Physician, Rigshospitalet & Academic Leader, Technical University Hospital

13:45 - 14:00 **Break**

Session 9 Inequality in CVD trajectories: Understanding and intervening

Chair: Maria Kristiansen & Raphael Guimaraes

14:00 - 14:10 **Introduction and overview**
Professor Maria Kristiansen, University of Copenhagen

14:10 - 14:40 **The HeRTA project - Inequality in Cardiac Rehabilitation**
PhD student Ida Pedersen Halvorsen, Copenhagen University Hospital - Frederiksberg

14:40 - 15:10 **Living well, worrying Less: Insights from couples facing heart disease and socio-demographic risk factors**
Researcher Caroline Mejdahl, Central Denmark Region

15:10 - 15:40 Discussion

15:40 - 16:00 **Poster and Presentation awards & Closing remarks**

Professor Christian Aalkjær, Senior Scientific Adviser, DCAcademy

