



Danish
Cardiovascular
Academy

PROGRAMME

DCACADEMY
SUMMER MEETING 2023

15-17 June 2023
Storebælt Sinatur Hotel & Konference
Nyborg

DCAcademy is supported by

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PRACTICAL INFORMATION

LOCATION FOR THE SUMMER MEETING

Storebælt Sinatur Hotel & Konference
Østerøvej 121
5800 Nyborg

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www.dccademy.dk

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DCACADEMY



Please tweet using
#DCAsummermeeting23

PROGRAMME

Thursday 15TH of June 2023

YOUNG INVESTIGATOR DAY

09:30 - 10:00 **Arrival and coffee**

10:00 - 10:30 **Welcome and Meet & Greet**
Prof. Thomas Jespersen, Executive Training Director
DCA secretariat

10:30 - 11:00 **Opening Speech**
How I developed as a researcher
PhD Helle Sørholm (Zealand University Hospital Roskilde)

Session 1 **SCIENTIFIC ENTREPRENEURSHIP/INNOVATION**
Chairs: **Arnela Saljic** (UCPH) & **Bo Bentzen** (UCPH)

11:00 - 11:30 **Changing the Beat:**
How to develop Innovative Medical Devices for Cardiology
PhD Samuel Emil Schmidt (AAU)

11:30 - 12:00 **My personal journey into personalized medicine**
Prof. Ninna Struck Rossen (Metsystem)

12:00 - 12:30 **Panel debate**
Prof. Bo Bentzen (UCPH)

12:30 - 13:30 **Lunch**

Session 2

Chair:

SCIENTIFIC CRAFTMANSHIP

Bo Bentzen (UCPH) & **Arnela Saljic** (UCPH)

13:30 - 14:00

Designing research studies

PhD Emil Fosbøl (Rigshospitalet, UCPH)

14:00 - 14:30

Design of preclinical studies

Prof. Jacob Bentzon (AU)

14:30 - 15:00

Evidence and Guidelines

Prof. Eva Prescott (Bispebjerg Hospital)

15:00 - 15:30

Break / check-in / change for activities

15:30 - 17:00

Outdoor activities

Stand-up-paddle, bow & arrow, yoga, guided mountainbike tour and outdoor fitness

Arrival of PI's & senior researchers

17:00 - 17:30

Snacks



17:30 - 18:30

Chair:

Meet the professor

Thomas Jespersen, DCAcademy

Prof. Rikke Buhl (UCPH)

PhD Emil Fosbøl (Rigshospitalet, UCPH)

Assoc. Prof. Morten Bækgaard Thomsen (UCPH)

Prof. Dominik Linz (UCPH)

Assoc. Prof. Mjoye Mazwi (SickKids Hospital Toronto)

Prof. Stefan James (Uppsala University)

PhD Helle Sørholm (Zealand University Hospital Roskilde)

Prof. Eva Prescott (Bispebjerg Hospital)

Prof. Jacob Fog Bentzon (AUH)

18:30 - 19:00

Refreshment and networking

19:00 - 20:30

Dinner

EVENING SESSION

Chair:

Gunnar Gislason (Hjerteforeningen)

20:30 - 21:15

Pragmatic clinical trials/Leveraging electronic health records to streamline the conduct of cardiovascular clinical trials

Prof. Stefan James (Uppsala University)

21:15

Networking and games (downstairs, at Østerø)

Friday 16TH of June 2023

7:00-8:30

Breakfast, optional morning run, ocean dip

Session 3

HEART FAILURE

Chairs:

Lars Køber (Rigshospitalet) & **Charlotte Glinge** (RegionH)

08:30 - 08:40

Intro + SGLT-2

Prof. Lars Køber (Rigshospitalet)

08:40 - 09:00

Pathophysiology, hemodynamics

Prof. Jacob Eifer Møller (OUH)

09:00 - 09:20

Advanced HF and transplantation

MD. Mads Ersbøll (Rigshospitalet)

09:20 - 09:40

New facets of the calcitonin signalling in the heart

Assoc. Prof. Svetlana Reilly (Oxford University)

09:40 - 10:00

Novo-projekt

Prof. Olav Wendelboe Nielsen (UCPH & Bispebjerg Hospital)

10:00 - 10:30

Break & energizer



Session 4 PARALLEL SESSION – HEART FAILURE AND ATHEROSCLEROSIS

	BASIC CARDIOLOGY Plenum 1 (Flintholm) Svetlana Rielly (Oxford) & Morten Thomsen (UCPH)	CLINICAL HEART FAILURE Plenum 2 (Sandholm) Rasmus Borgquist (NNF) & Morten Böttcher (AUH)	BASIC ATHEROSCLEROSIS Musholm & Helleholm Lasse Bach Steffensen (SDU) & Christina Christoffersen (UCPH)
Chairs:			
10:30 - 10:50	HFpEF – Animal Models Assoc. Prof. Morten Bækgaard Thomsen (UCPH)	Clinical trials Prof. Jens Jakob Thune	APRIL limits atherosclerosis by binding to heparan- sulfate proteoglycans 10:35-11:05; Q&A: 11:05-11:10
10:50 - 11:10	The role of coronary microvascular dys- function in heart failure Prof. Dirk-Jan Duncker (Erasmus University Rotterdam)	Diabetic cardiomy- pathy MD Per Lav Madsen (UCPH)	PhD Dimitrios Tsiatoulas (Medical University Vienna)
11:10 - 11:30	Ventricular arrhyth- mia in large animal models PhD Stefan Sattler (UCPH)	Epidemiological stu- dies and heart failure PhD Søren Lund Kristen- sen (Rigshospitalet)	Genetic regulation of SMC gene expression and splicing predict causal CAD genes 11:10-11:40; Q&A: 11:40-11:45
11:30 - 11:50	Is a treatable endo- type for HFpEF the missing link for suc- cessful clinical trials? High risk patients may be identified by the collagen hormo- ne Endotrophin PhD Alexander Lynge Reese-Petersen (Nordic Bioscience)	Revascularisation in heart failure Prof. Thomas Engstrøm (Rigshospitalet)	PhD Redouane Aherrahrou (University of Lübeck)

11:50 - 12:00	PhD Lucia Moreira (Oxford University)	PhD Kristina Miger (UCPH)	11:45-11:55; Q&A: 11:55-12:00 PhD Seyda Ünsal (SDU)
12:00 - 13:00	Lunch		
Session 5	REHABILITATION / PREVENTION		
Chairs:	Henrik Bjerre (AUH) & Ann-Dorte Olsen Zwisler (OUH/SDU)		
13:00 - 13:20	Cardiac rehabilitation and palliative care – status 2023 Prof. Ann-Dorte Olsen Zwisler (OUH/SDU)		
13:20 - 13:40	Cardiac rehabilitation in ischemic heart disease Consultant Cardiologist, Ann Bovin (Vejle Hospital)		
13:40 - 14:00	Prevention and Rehabilitation focusing on sportscardiology Consultant cardio. Hanne Kruse Rasmussen (Bispebjerg-Frederiksberg Hospital)		
14:00 - 14:10	Break		
14:10 - 14:30	Atrial Fibrillation and Cardiac Rehabilitation and Prevention- evaluation of a family-focused intervention for patients with atrial fibrillation PhD Stine Rosenstrøm (Amager & Hvidovre Hospital)		
14:30 - 14:50	Telemonitoring /Fibri-check and lifestyle interventions in AF Prof. Dominik Linz (UCPH)		
14.50 - 15:00	Labor market participation in patients with a CRT-System PhD Henrik Bjerre (AUH)		
15:00 - 15:15	Coffee		

Session 6

15:15 - 16:30

Chairs:

POSTER SESSION

7 locations, 70 posters

Carolin Sailer & Niels Thue Olsen • Johannes Grand & Olav Wendelboe Nielsen • Laust Dupont Rasmussen & Morten Bøttcher • Lisa Gottlieb & Dominik Linz • Manan Pareek & Tom Jepps • Jonas Isaksen & Jørgen Kanters • Gunnar Gislason & Arnela Saljic

3 min. Presentations + 2 min. Q&A

16:30 - 17:00

Chair:

Mechanosensitive Channels, Stretch and Fibrosis – A Pathophysiological Role in Atrial Fibrillation?

Thomas Jespersen (UCPH)

Prof. Ursula Ravens (Albert-Ludwigs University Freiburg, IEKM)

Session 7

Moderator:

WHAT WILL BE THE BIG CARDIOVASCULAR CHALLENGES IN 2040?

Christian Hassager (Rigshospitalet)

17:00 - 18:15

Prof. Eva Prescott (Bispebjerg-Frederiksberg University Hospital)

Prof. Peter Søgaard (AAUH)

Chief Physician, Matias Greve Lindholm (Zealand University Hospital, Roskilde)

Prof. Jens Flensted Lassen (OUH)

18:15 - 18:30

Refreshment & networking

18:30 - 18:50

Chair:

Award ceremony:

2023 DCACADEMY Lifetime Achievement Award

Christian Aalkjær, DCACADEMY

19:00 - 21:00

Barbecue

21:00 - -

Networking on the terrace, bonfire, music and games

22:00 --

Games & networking (at Østerø)



Saturday 17TH of June 2023

7:30 - 8:30

Breakfast, optional morning run, ocean dip

Session 8

BIG DATA AND DATA SCIENCE

Chairs:

Christian Torp-Pedersen (Rigshospitalet) & **Jonas Isaksen** (UCPH)

08:30 - 08:50

Why Is it so Difficult to Realise Medical AI?

Assoc. Prof. Tariq Osman Andersen (UCPH)

08:50 - 09:10

Target Trial Emulation using Danish Registries

Prof. Lars Pedersen (AU)

09:10 - 09:30

What we are learning from Applied Machine Learning

Assoc. Prof. Mjaye Mazwi (SickKids Hospital Toronto)

09:30 - 09:40

PhD Johannes Castelein (UCPH)

09:40 - 09:50

Postdoc Tibor Hornyik (University of Szeged Albert Szent-Györgyi Medical School)

09:50 - 10:20

Break

Session 9 PARALLEL SESSION - BIG DATA AND DATA SCIENCE

	<p>Modellering og AI Plenum 1 (Flintholm)</p>	<p>Novel development in cardiac devices – a Danish perspective Plenum 2 (Sandholm)</p>	<p>Microvascular function Musholm & Helholm, 1st floor</p>
Chair:	<p>Jørgen Kanters (UCPH) & Lars Pedersen (AU)</p>	<p>Peter Søgaard (AAU) & Jens Cosedis (AU)</p>	<p>Christian Aalkjær (DCAcademy) & Charlotte Mehlin Sørensen (UCPH)</p>
10:20 - 10:40	<p>Title: TBA Prof. Christian Torp-Pedersen (RegionH)</p>	<p>Mechanical Circulatory support device MD, Kasper Rossing (Rigshospitalet)</p>	<p>Super resolution ultrasound imaging of changes in the renal microcirculation in diabetic kidney disease (10:20-10:45) Assoc. Prof. Charlotte Mehlin Sørensen (UCPH)</p>
10:40 - 11:00	<p>Digital Phenotyping Technologies and Methods in Cardiology Prof. Jakob E. Bardam (DTU Health Tech)</p>	<p>CRT in Heart failure Prof. Jens Cosedis Nielsen (AU)</p>	<p>Pericytes in the cerebral microcirculation (10:45-11:10) Assist. Prof. Søren Grubb (UCPH)</p>
11:00 - 11:20	<p>Deep Learning & ECG Assoc. Prof. Jørgen Kanters (UCPH)</p>	<p>Wearables in cardiology Assoc. Prof. Helena Dominguez (UCPH)</p>	<p>Lymphatic physiology and new treatment modalities (11:10-11:35) Prof. Vibeke Hjortdal (UCPH)</p>
11:20 - 11:40	<p>Deep Learning in Bedside Monitoring for VT detection Malene Nørregård (UCPH)</p>	<p>Novel developments/ future perspectives Assoc. Prof. Ole De Backer (UCPH)</p>	
11:40 - 11:50	<p>PhD Andrea Storås (Simula)</p>	<p>PhD Milad Hasani (Aalborg University)</p>	<p>PhD Jannik H. Larsen (SDU) (11:35-11:45)</p>
11:50 - 12:00	<p>PhD Peidi Xu (UCPH)</p>	<p>PhD Daniel Fyenbo (AUH)</p>	<p>Postdoc. Yenisleidy De Las Mercedes Zulueta Díaz (SDU) (11:45-12:00)</p>

12:00 - 12:45

Lunch

Keynote speech

Chairs:

Charlotte Mehlin Sørensen (UCPH)

12:45 - 13:30

The renal microcirculation

Prof. William Cupples (Simon Fraser University, Canada)

13:30 - 13:45

Closing remarks & Award ceremony

Chair:

Thomas Jespersen, DCAcademy

Best oral presentation – best poster award

See you next year

14:00 - 14:30

DCAcademy business meeting (optional – everybody is invited)

(suggestions for improvements, new directions etc.)

POSTER SESSIONS

P1: Clinical cardiology 1

P2: Clinical cardiology 2

P3: Epidemiology

P4: Basic cellular cardiology

P5: Translational cardiology

P6: Data Science & Exercise

P7: Basic vasculature

Interactive poster

P1: Clinical cardiology 1

Chairs: Johannes Grand
Olav Wendelboe Nielsen

P1-1	Caroline Damsgaard Jensen
P1-2	Eva Havers-Borgersen
P1-3	Lasse Hubertus Tiroke
P1-4	Nadia Iraqi
P1-5	Nigopan Gopalasingam
P1-6	Peter Fruergaard Andersen
P1-7	Sarah Holle
P1-8	Selma Hasific
P1-9	Sissel Johanne Godtfredsen
P1-10	Caroline Elnegaard

P2: Clinical cardiology 2

Chairs: Laust Dupont Rasmussen
Morten Bøttcher

P2-1	Anders Lehmann Dahl Pedersen
P2-2	Anne Mohr Drewes
P2-3	Edina Hadziselimovic
P2-4	Jonas Schaarup
P2-5	Joseph Bonner
P2-6	Louise Aas Holm
P2-7	Manijeh Noori
P2-8	Niels Jespersen
P2-9	Yan Zhou

P3: Epidemiology

Chairs: Arnela Saljic
Gunnar Gislason

P3-1	Anna Meta Dyrvig Kristensen
P3-2	Henrik Laurits Bjerre
P3-3	Jan Walter Dhillon Shanmuganathan
P3-4	Nadja Albertsen
P3-5	Peter Engel Thomas
P3-6	Rasmus Bo Lindhardt
P3-7	Signe Wolthers
P3-8	Sofie Dannesbo
P3-9	Tobias Skjelbred
P3-10	Anne Storgaard Nørskov
P3-11	Anton Mariager
P3-12	Filip Gnesin

P4: Basic cellular cardiology

Chairs: **Carolin Sailer**
Niels Thue Olsen

P4-1 Danielle Medina-Hernandez

P4-2 Helena Magnusson

P4-3 Karina Poulsdóttir Debes

P4-4 Kristine Kyle De Leon

P4-5 Louise Bjerregaard

P4-6 Lucas Xing

P4-7 Nicolai Palstrøm

P4-8 Sara Enevoldsen

P4-9 Sergio D'Anna

P4-10 Helena Bogdanovic

P5: Translational cardiology

Chairs: **Lisa Amalie Gottlieb**
Dominik Linz

P5-1 Alisha Niskala

P5-2 Kezia Jerltorp

P5-3 Luca Soattin

P5-4 Melodie Schneider

P5-5 Mette Wørmer Poulsen

P5-6 Sarah Torp Yttergren

P5-7 Sebastian Buhl Rasmussen

P5-8 Simon Haugaard

P5-9 Simone Juel Dragsbæk

P5-10 Diana Sofia Usai

P5-11 Josephine Kanta

P6: Data Science & Exercise

Chairs: **Jonas L. Isaksen**
Jørgen Kanfers

P6-1 Adrian Atienza

P6-2 Gouthamaan Manimaran

P6-3 Gregory Wood

P6-4 Jacob Valentin Hansen

P6-5 Jakob Jensen

P6-6 Mads Fischer

P6-7 Mulham Ali

P6-8 Sheyla Barrado Balletero

P6-9 Alexandra Amalie Uglebjerg

P7: Basic vasculature

Chairs: **Manan Pareek**
Thomas Jepps

P7-1 Andrietta Grentzmann

P7-2 Gustavo Luis Tripodi

P7-3 Cancelled

P7-4 Jennifer van Der Horst

P7-5 Joakim A. Bastrup

P7-6 Karen C. Yang

P7-7 Kathrine Væver Jokumsen

P7-8 Salomé Rognant

P7-9 Samuel Baldwin

P7-10 Asli Bahar Topaktas

Inter active poster

Maya Elena Ramirez Schambye

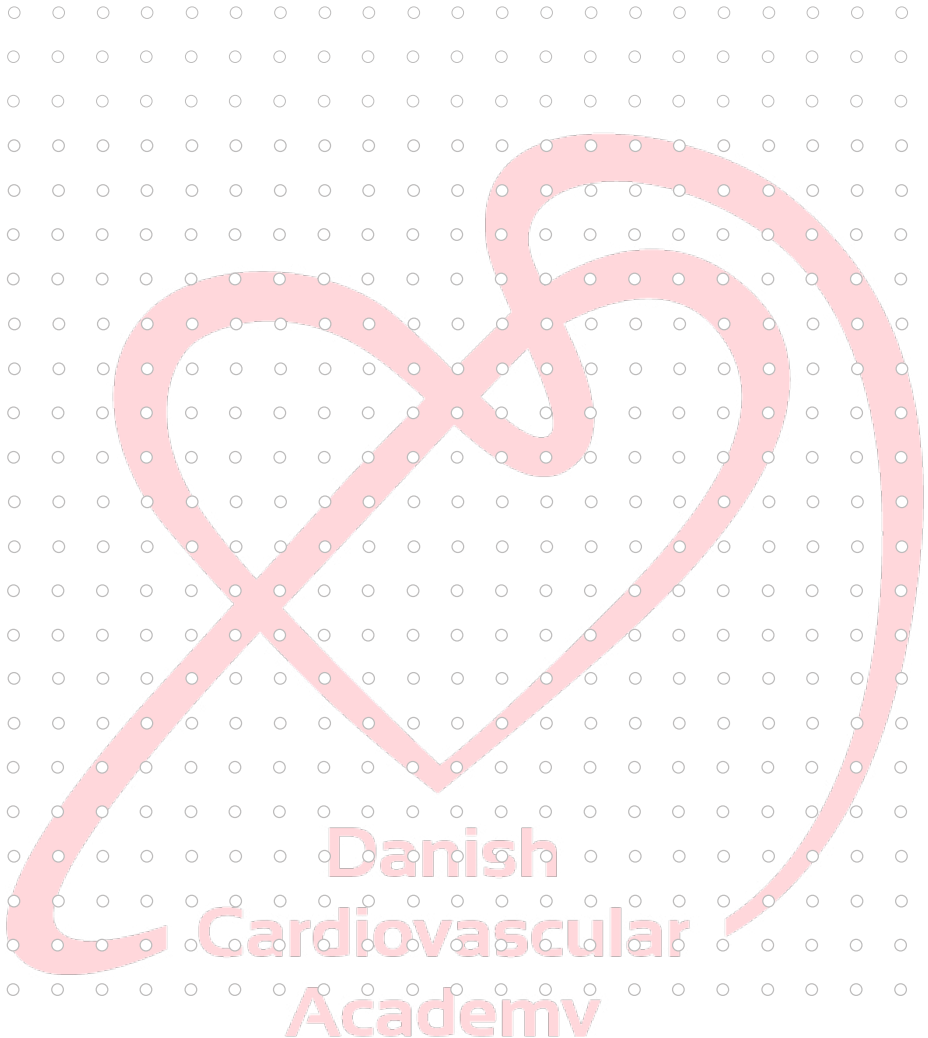
Mathilde Løk

DCAcademy		
Christian Aalkjær	Executive Managing Director	Danish Cardiovascular Academy
Thomas Jespersen	Executive Training Director	Danish Cardiovascular Academy
Emil Toft Brøndum	Executive Assistant	Danish Cardiovascular Academy
Xenia Kessler	Training Manager	Danish Cardiovascular Academy
Elena V. Bouzinova	Course Manager (Maternity cover)	Danish Cardiovascular Academy
Nanna Cathrine Brinch	Communication Manager	Danish Cardiovascular Academy
Arneta Saljic	Course Coordinator CPH office	Danish Cardiovascular Academy

The DCA Code of Conduct



is a guideline to provide a respectful and harassment-free event experience for all participants. Any kind of offensive and discriminatory behavior as well as sexual and foul imagery or language will not be tolerated. A more detailed Code of Conduct can be found at <https://dcacademy.dk/about-dcacademy/mission-1>



Doodling and memory

In 2009, psychologist Jackie Andrade asked 40 people to monitor a 2-½ minute dull and rambling voice mail message. Half of the group doodled while they did this, the other half did not. They were not aware that their memories would be tested after the call. Surprisingly, when both groups were asked to recall details from the call, those that doodled were better at paying attention to the message and recalling the details. They recalled 29% more information!

Jackie Andrade, What Does Doodling Do? J. Appl Cogn Psychol; 2010, Volume 24, Issue 1, P 100-106



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