

# DCAcademy Summer Meeting 2024

20 - 22 June 2024

Storebælt Sinatur Hotel & Konference  
Østerøvej 121  
5800 Nyborg

Thursday June 20 2024

## Young investigator day

09:00 - 09:30	<b>Arrival and coffee</b>
09:30 - 10:00	<b>Welcome and Meet &amp; Greet</b> Prof. Thomas Jespersen, Executive Training Director, DCAcademy
10:00 - 11:30	<b>Opening Speeches</b>  <b>Scientific presentations – Public health, global South in a Cardiovascular perspective</b> 10:00 - 10:40 Maria Kristiansen, University of Copenhagen 10:50 - 11:30 Flemming Konradsen, Novo Nordisk Foundation
<b>Session 1</b>	<b>Revolutionizing Cardiovascular Research: The Power of AI and ChatGPT</b> <i>Chair: Emil Toft Brøndum, Executive Managing Assistant, DCAcademy</i> 11:30 - 12:00 <b>ChatGPT in science: why and how to/not to use it in research</b> Jan Wolff
12:00 - 13:00	<b>Lunch</b>
13:00 - 15:00	<b>Workshop on language processing and chatbots</b> <i>Jan Wolff</i>
15:00 - 15:30	<b>Break / Check-in / change for activities</b>
15:30 - 17:00	<b>Outdoor activities</b>  <i>Stand-up-paddle, bow &amp; arrow, yoga, guided mountainbike tour and outdoor fitness</i>
<b>Arrival of PI's &amp; senior researchers</b>	
17:00 - 17:45	<b>Meet the professor</b> <i>Chair: Thomas Jespersen, DCAcademy</i> Tom Jepps, University of Copenhagen Flemming Konradsen, Novo Nordisk Foundation Henrik Kjærulf Jensen, Aarhus University Lars Melholt Rasmussen, University of Southern Denmark Michael Toft Overgaard, Aalborg University Mette Nyegaard, Statens Serum Institut
17:45 - 20:00	<b>BBQ on the terrace</b>  <b>Evening session</b>
21:00 - 21:30	<b>Evening talk: A personal tale of research and career paths</b> Mette Nyegaard (SSI) & Michael Toft Overgaard (AAU)
21:30 - 23:00	<b>Networking</b>

Friday June 21 2024

7:00-8:30	Breakfast, optional morning run, ocean dip
Session 2	<b>Vascular Disease</b> <i>Chairs: Christina Christoffersen</i>
08:30 - 08:55	<b>Framing of Vascular Disease</b> Prof. Christina Christoffersen, University of Copenhagen
08:55 - 09:20	<b>Title: TBA</b> Joanna Maria Kalucka, Aarhus University
09:20 - 09:40	<b>Title: TBA</b> TBA
09:40 - 09:50	<b>Abstract presentation</b> PhD-student / postdoc.
09:50 - 10:00	<b>Abstract presentation</b> PhD-student / postdoc.
10:00 - 10:30	<b>Break &amp; energizer</b>

Session 3	Parallel session 1		
	<b>CELLULAR REGULATION IN ATRIAL FIBRILLATION</b> <i>Venue: TBA</i> <i>Chairs: Lisa Gottlieb</i>	<b>INHERITED CARDIAC DISEASES</b> <i>Venue: TBA</i> <i>Chairs: Henrik Kjærulf Jensen</i>	<b>CARDIAC ATHEROSCLEROSIS</b> <i>Venue: TBA</i> <i>Chairs: Jacob Fog Bentzon</i>
10:30 - 10:55	<b>From mechanisms of atrial fibrillation to biomolecule-based risk prediction</b>  Larissa Fabritz, University of Birmingham	<b>Overview of inherited heart diseases with focus on channelopathies</b>  Henrik Kjærulf Jensen, Aarhus University Hospital	<b>Clinical data and disease mechanisms in atherosclerosis</b>  Martin Bødtker Mortensen, Aarhus University
10:55 - 11:20	<b>New targets for atrial fibrillation</b>  Mathilde Rivaud, Amsterdam UMC	<b>Molecular of aspects the SCN5A gene in inherited cardiac disorders</b>  Kirstine Callø, University of Copenhagen	<b>Title: TBA</b>  TBA
11:20 - 11:40	<b>Title: TBA</b>  Lisa Gottlieb, University of Copenhagen	<b>Inherited cardiomyopathies - application of molecular insight for novel treatment approaches</b>  Henning Bundgaard, Rigshospitalet	<b>Title: TBA</b>  Julián Albarrán Juárez, Aarhus University
11:40 - 11:50	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.
11:50 - 12:00	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.
12:00 - 13:15	<b>Lunch</b>		

## Session 4 Molecular aspects of CV disease

*Chairs: Michael Toft Overgaard*

13:15 - 13:40

### Calmodulinopathies

Lia Crotti, Università degli Studi di Milano-Bicocca

13:40 - 14:05

### Title: TBA

TBA

14:05 - 14:25

### Cardiac arrest survivors - diagnostic workup and gaps in evidence

Bo Winkel, Rigshospitalet

14:25 - 14:35

### Abstract presentation

PhD-student / postdoc.

14:35 - 14:45

### Abstract presentation

PhD-student / postdoc.

## Session 5 Poster session

7 locations, 80 posters

14:45 - 16:30

*Chairs: TBA*

3 min. Presentations + 2 min. Q&A

## Session 6

## Parallel session 2

### HYPERTENSION

*Venue: TBA*

*Chairs: Tom Jepps*

16:30 - 16:55

### Redox signaling and the vasculome in hypertension

Rhian M Touyz, McGill University

16:55 - 17:20

### Vital cardiac and vasoprotective functions of endogenous C-type natriuretic peptide in health and disease

Amie Moyes, University College London

17:20 - 17:40

### Proteomic view of cerebrovascular remodeling in rats with hypertension

Joakim Bastrup, University of Copenhagen

17:40 - 17:50

### Abstract presentation

PhD-student / postdoc.

### CORONARY PHYSIOLOGY AND IMAGING

*Venue: TBA*

*Chairs: Ashkan Eftekhari*

### Intracoronary imaging

Niels Holm, Aarhus University

### Coronary physiology

Thomas Engstrøm, Rigshospitalet

### Integration of coronary physiology and imaging

Carlos Collet, Olv Hospital Aalst

### Abstract presentation

PhD-student / postdoc.

### VASCULAR GENETICS

*Venue: TBA*

*Chairs: Lars Melholt Rasmussen, Lasse Bach Steffensen*

### Somatic mutations reveal clonal cell populations in diseased and normal human arterial tissue

Lasse Bach Steffensen, University of Southern Denmark

### Polygenic and proteomic risk scores for CVD

Mette Nyegaard, Statens Serum Institut

### System Genetics of Human Vascular Smooth Muscle Cells Predict Causal Genes for Coronary Artery Disease and reveal sex differences

Redouane Aherrahrou, University of Virginia

### Abstract presentation

PhD-student / postdoc.

17:50 - 18:10

### Refreshments

## Award Ceremony

*Chair: Christian Aalkjaer, Executive Managing Director, DCAcademy*

18:10 - 18:25

### DCAcademy RISING STAR AWARD

18:25 - 18:45

### 2024 DCAcademy Lifetime Achievement Award

19:30 - 21:00

### Dinner

21:00 - 23:00

### Posters & Refreshments

Saturday June 22 2024

7:30-8:30 Breakfast, optional morning run, ocean dip

Session 7 Atrial fibrillation - primary care, public health and mechanisms

Chairs: Helena Dominguez, Maria Kristiansen

The impact of atrial contraction on risk of clot formation with and without atrial fibrillation

Bjørn Strøier, Gentofte Hospital

08:45 - 09:15

Can we identify atriopathy as predictor of atrial fibrillation and stroke with digital biomarkers based om the electrocardiogram

Christoffer Læssøe Madsen, University of Copenhagen

09:15 - 09:30

Patient education in patients with multiple heart conditions

Signe Stelling Risom, University of Copenhagen

09:30 - 09:55

Title: TBA

Greg Marcus, UC San Fransisco

09:55 - 10:20

Pro/Con session om POAF: Peroperative atrial fibrillation must be considered as definite diagnosis

Ahmad Sajadieh, University of Copenhagen & Axel Brandes, University of Southern Denmark

10:20 - 10:45 Coffee break

Session 8

Parallel session 3

	MOLECULAR ENTITIES OF SCD	CLINICAL AF	PREVENTION AND REHABILITATION
	Venue: TBA	Venue: TBA	Venue: TBA
	Chairs: Arnela Saljic	Chairs: Mads Brix Kronborg & Larissa Fabritz	Chairs: Henrik Bjerre & Bo Christensen
10:45 - 11:10	In Vitro Reprogramming of Fibroblasts From Human Cadavers to Generate iPSC-Cardiomyocytes	Title: TBA	Title: TBA
	Thomas Jespersen, University of Copenhagen	Morten Lock Hansen, University of Copenhagen	Bo Christensen, Aarhus University
11:10 - 11:30	Forensic molecular autopsies in cases of sudden cardiac death	Title: TBA	Management and rehabilitation of vulnerable heart transplanted recipients
	Stine Bøttcher Jacobsen, University of Copenhagen	TBA	Rikke Elmoose Mols, Aarhus University
11:30 - 11:55	Sudden unexplained death in Thoroughbred racehorses	Title: TBA	Title: TBA
	Arnela Saljic, University of Copenhagen	Tor Biering-Sørensen, University of Copenhagen	TBA
11:55 - 12:05	Abstract presentation	Abstract presentation	Abstract presentation
	PhD-student / postdoc.	PhD-student / postdoc.	PhD-student / postdoc.
12:05 - 12:15	Abstract presentation	Abstract presentation	Abstract presentation
	PhD-student / postdoc.	PhD-student / postdoc.	PhD-student / postdoc.

12:15 - 13:00 Lunch

13:00 - 13:45 Keynote speech

Chair: Tor Biering-Sørensen

The renal microcirculation

Prof. Jean-Claude Tardif, Montreal Heart Institute

13:45 - 14:00

Closing remarks & Award ceremony

Chair: Thomas Jespersen, DCAcademy

Best oral presentation - best poster award

See you next year

14:15 - 14:45

DCAcademy business meeting (optional - everybody is invited)

(suggestions for improvements, new directions etc.)