

# 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

## Session 1 Revolutionizing Cardiovascular Research: The Power of AI and ChatGPT

*Chair: Emil Toft Brøndum, Executive Managing Assistant, DCAcademy*

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>

### Arrival of PI's & senior researchers

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
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17:45 - 20:00	<b>BBQ on the terrace</b>
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## Evening session

21:00 - 21:30	<b>Evening talk: A personal tale of research and career paths</b> Mette Nyegaard (SSU) & Michael Toft Overgaard (AAU)
21:30 - 23:00	<b>Networking</b>

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**Friday June 21, 2024**


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**7:00-8:30** Breakfast, optional morning run, ocean dip
 

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**Session 2 Vascular Disease**
*Chairs: Christina Christoffersen*


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**08:30 - 08:55 Framing of Vascular Disease**  
 Prof. Christina Christoffersen, University of Copenhagen
 

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**08:55 - 09:20 Title: TBA**  
 Anne Langsted, Rigshospitalet
 

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**09:20 - 09:40 Title: TBA**  
 TBA
 

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**09:40 - 09:50 Abstract presentation**  
 PhD-student / postdoc.
 

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**09:50 - 10:00 Abstract presentation**  
 PhD-student / postdoc.
 

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**10:00 - 10:30 Break & energizer**


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**Session 3**
**Parallel session 1**

	CELLULAR REGULATION IN ATRIAL FIBRILLATION <i>Venue: TBA</i> <i>Chairs: Lisa Gottlieb</i>	INHERITED CARDIAC DISEASES <i>Venue: TBA</i> <i>Chairs: Henrik Kjærulf Jensen</i>	CARDIAC ATHEROSCLEROSIS <i>Venue: TBA</i> <i>Chairs: Jacob Fog Bentzon</i>
<b>10:30 - 10:55</b>	<b>From mechanisms of atrial fibrillation to biomolecule-based risk prediction</b>  Larissa Fabritz, University Heart and Vascular Center Hamburg	<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
<b>10:55 - 11:20</b>	<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>Key molecular mechanisms and signatures of atherosclerotic plaque instability illuminated by multi-omics integrations from a large biobank</b>  Ljubica Matic, Karolinska Institute
<b>11:20 - 11:40</b>	<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>Smooth muscle cell contractile function in atherosclerosis</b>  Julián Albarrán Juárez, Aarhus University
<b>11:40 - 11:50</b>	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.
<b>11:50 - 12:00</b>	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.
<b>12:00 - 13:15</b>	<b>Lunch</b>		

## Session 4 Molecular aspects of CV disease

*Chairs: Michael Toft Overgaard*

13:15 - 13:40	<b>Calmodulinopathies</b> Lia Crotti, Università degli Studi di Milano-Bicocca
13:40 - 14:05	<b>Title: TBA</b> TBA
14:05 - 14:25	<b>Cardiac arrest survivors - diagnostic workup and gaps in evidence</b> Bo Winkel, Rigshospitalet
14:25 - 14:35	<b>Abstract presentation</b> PhD-student / postdoc.
14:35 - 14:45	<b>Abstract presentation</b> 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

	<b>HYPERTENSION</b> <i>Venue: TBA</i> <i>Chairs: Tom Jepps</i>	<b>CORONARY PHYSIOLOGY AND IMAGING</b> <i>Venue: TBA</i> <i>Chairs: Ashkan Eftekhari</i>	<b>VASCULAR GENETICS</b> <i>Venue: TBA</i> <i>Chairs: Lars Melholt Rasmussen, Lasse Bach Steffensen</i>
16:30 - 16:55	<b>Redox signaling and the vasculome in hypertension</b> Rhian M Touyz, McGill University	<b>Intracoronary imaging</b> Niels Holm, Aarhus University	<b>Somatic mutations reveal clonal cell populations in diseased and normal human arterial tissue</b> Lasse Bach Steffensen, University of Southern Denmark
16:55 - 17:20	<b>Vital cardiac and vasoprotective functions of endogenous C-type natriuretic peptide in health and disease</b> Amie Moyes, University College London	<b>Coronary physiology</b> Thomas Engstrøm, Rigshospitalet	<b>Polygenic and proteomic risk scores for CVD</b> Mette Nyegaard, Statens Serum Institut
17:20 - 17:40	<b>Proteomic view of cerebrovascular remodeling in rats with hypertension</b> Joakim Bastrup, University of Copenhagen	<b>Integration of coronary physiology and imaging</b> Carlos Collet, Oiv Hospital Aalst	<b>System Genetics of Human Vascular Smooth Muscle Cells Predict Causal Genes for Coronary Artery Disease and reveal sex differences</b> Redouane Aherrahrou, University of Virginia
17:40 - 17:50	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.
17:50 - 18:10	<b>Refreshments</b>		

## Award Ceremony

Chair: Christian Aalkjær, Executive Managing Director, DCAcademy

18:10 - 18:25	<b>DCAcademy RISING STAR AWARD</b>
18:25 - 18:45	<b>2024 DCAcademy Lifetime Achievement Award</b>
19:30 - 21:00	<b>Dinner</b>
21:00 - 23:00	<b>Posters &amp; Refreshments</b>

## 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

08:45 - 09:00	<b>The impact of atrial contraction on risk of clot formation with and without atrial fibrillation</b> Bjørn Strøier, Gentofte Hospital
09:00 - 09:15	<b>Can we identify atrioopathy as predictor of atrial fibrillation and stroke with digital biomarkers based om the electrocardiogram</b> Christoffer Læssøe Madsen, University of Copenhagen
09:15 - 09:30	<b>Patient education in patients with multiple heart conditions</b> Signe Stelling Risom, University of Copenhagen
09:30 - 09:55	<b>Lifestyle Factors and Atrial Fibrillation Prevention</b> Greg Marcus, UC San Fransisco
09:55 - 10:20	<b>Pro/Con session om POAF: Peroperative atrial fibrillation must be considered as definite diagnosis</b> Ahmad Sajadieh, University of Copenhagen & Axel Brandes, University of Southern Denmark
10:20 - 10:45	<b>Coffee break</b>

### Session 8

### Parallel session 3

	<b>MOLECULAR ENTITIES OF SCD</b> <i>Venue: TBA</i> <i>Chairs: Arnela Saljic</i>	<b>CLINICAL AF</b> <i>Venue: TBA</i> <i>Chairs: Mads Brix Kronborg &amp; Larissa Fabritz</i>	<b>PREVENTION AND REHABILITATION</b> <i>Venue: TBA</i> <i>Chairs: Henrik Bjerre &amp; Bo Christensen</i>
10:45 - 11:10	<b>In Vitro Reprogramming of Fibroblasts From Human Cadavers to Generate iPSC-Cardiomyocytes</b>  Thomas Jespersen, University of Copenhagen	<b>Atrial fibrillation in clinical practice - state of the art</b>  Morten Lock Hansen, University of Copenhagen	<b>Title: TBA</b>  Bo Christensen, Aarhus University
11:10 - 11:30	<b>Forensic molecular autopsies in cases of sudden cardiac death</b>  Stine Bøttcher Jacobsen, University of Copenhagen	<b>Title: TBA</b>  TBA	<b>Management and rehabilitation of vulnerable heart transplanted recipients</b>  Rikke Elmoose Mols, Aarhus University
11:30 - 11:55	<b>Sudden unexplained death in Thoroughbred racehorses</b>  Arnela Saljic, University of Copenhagen	<b>Title: TBA</b>  Tor Biering-Sørensen, University of Copenhagen	<b>Title: TBA</b>  TBA
11:55 - 12:05	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.
12:05 - 12:15	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.	<b>Abstract presentation</b> PhD-student / postdoc.
12:15 - 13:00	<b>Lunch</b>		

13:00 - 13:45

**Keynote speech**

Chair: Tor Biering-Sørensen

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**The renal microcirculation**

Prof. Jean-Claude Tardif, Montreal Heart Institute

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13:45 - 14:00

**Closing remarks & Award ceremony**

Chair: Thomas Jespersen, DCAcademy

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Best oral presentation - best poster award

See you next year

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14:15 - 14:45

**DCAcademy business meeting (optional - everybody is invited)**

*(suggestions for improvements, new directions etc.)*

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