

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	Arrival and coffee
09:30 - 10:00	Welcome and Meet & Greet Prof. Thomas Jespersen, Executive Training Director, DCAcademy
10:00 - 11:30	Opening Speeches Scientific presentations – Public health, global South in a Cardiovascular perspective
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
	<i>Chair: Emil Toft Brøndum, Chief Operating Officer, DCAcademy</i>
11:30 - 12:00	ChatGPT in science: why and how to/not to use it in research Jan Wolff
12:00 - 13:00	Lunch
13:00 - 15:00	Workshop on language processing and chatbots <i>Jan Wolff</i>
15:00 - 15:30	Break / Check-in / change for activities
15:30 - 17:00	Outdoor activities <i>Stand-up-paddle, bow & arrow, yoga, guided mountainbike tour and outdoor fitness</i>
	Arrival of PI's & senior researchers
17:00 - 17:45	Meet the professor <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 Kirstine Callø, University of Copenhagen Ljubica Matic, Karolinska Institute

17:45 - 20:00 **BBQ on the terrace**

Evening session

21:00 - 21:30 **Evening talk: Science meets the legal system (Down Under!)**

Chair: Thomas Jespersen

Mette Nyegaard (*SSI*) & Michael Toft Overgaard (*AAU*)

21:30 - 23:00 **Networking**

Friday June 21, 2024

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

Session 2 Vascular Disease

Chairs: Christina Christoffersen

08:30 - 08:55 **Framing of Vascular Disease**

Prof. Christina Christoffersen, University of Copenhagen

08:55 - 09:20 **Title: TBA**

Anne Langsted, Rigshospitalet

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

TBA

09:40 - 09:50 **Abstract presentation**

PhD-student / postdoc.

09:50 - 10:00 **Abstract presentation**

PhD-student / postdoc.

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

Session 3

Parallel session

	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>
10:30 - 10:55	From mechanisms of atrial fibrillation to biomolecule-based risk prediction Larissa Fabritz, University Center of Cardiovascular Science (UCCS)	Overview of inherited heart diseases with focus on channelopathies Henrik Kjærulf Jensen, Aarhus University Hospital	Clinical data and disease mechanisms in atherosclerosis Martin Bødtker Mortensen, Aarhus University
10:55 - 11:20	New targets for atrial fibrillation Mathilde Rivaud, Amsterdam UMC	Molecular of aspects the SCN5A gene in inherited cardiac disorders Kirstine Callø, University of Copenhagen	Key molecular mechanisms and signatures of atherosclerotic plaque instability illuminated by multi-omics integrations from a large biobank Ljubica Matic, Karolinska Institute
11:20 - 11:40	Title: TBA Lisa Gottlieb, University of Copenhagen	Inherited cardiomyopathies - application of molecular insight for novel treatment approaches Henning Bundgaard, Rigshospitalet	Smooth muscle cell contractile function in atherosclerosis Julián Albarrán Juárez, Aarhus University
11:40 - 11:50	Abstract presentation PhD-student / postdoc.	Abstract presentation PhD-student / postdoc.	Abstract presentation PhD-student / postdoc.
11:50 - 12:00	Abstract presentation PhD-student / postdoc.	Abstract presentation PhD-student / postdoc.	Abstract presentation PhD-student / postdoc.

12:00 - 13:15 **Lunch**

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

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

17:50 - 18:10	Refreshments
	Award Ceremony
	<i>Chair: Christian Aalkjær, Executive Managing Director, DCAcademy</i>
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
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Session 7 Atrial fibrillation - primary care, public health and mechanisms

Chairs: Helena Dominguez, Maria Kristiansen

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

Session 8

Parallel session

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

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) <i>(suggestions for improvements, new directions etc.)</i>
