

Preliminary Programme

PhD Course

Cardiac arrhythmias: Pathophysiological mechanisms and interventions

12th - 14th April 2010
(2½ days)

*Arranged by The Danish Cardiovascular Research Academy (DaCRA),
The Danish National Research Foundation Centre for Cardiac Arrhythmia (DARC),
and The Faculty of Health Sciences, University of Copenhagen*

Course director: Jesper Hastrup Svendsen

The course will take place in
'Lille møderum / sofastuen'
Blegdamsvej 3, the Panum Institute,
Faculty of Health Sciences,
University of Copenhagen

Enrolment:

Use the application form for PhD course
(<http://sundphd.ku.dk/kurser/skema>)

-and send it to:

The PhD Administration,
The Panum Institute, Blegdamsvej 3B,
DK- 2200 Copenhagen N

The course gives 1.5 ECTS point

Heart arrhythmias:
Pathophysiological mechanisms and interventions

Monday April 12th, 2010

Physiology and pathophysiology

Chairman : S-P Olesen

09:00	Introduction and presentation of participants	Jesper Hastrup Svendsen
09:15	Cardiac electrophysiology and the molecular components underlying the cardiac ionic currents	Søren-Peter Olesen
09:45	Mechanisms of arrhythmia	Morten B. Thomsen
10:15	Coffee break	
10:45	Impaired depolarisation	Thomas Jespersen
11:15	Impaired repolarisation	Nicole Schmitt
11:45	Ischemia-induced arrhythmia	Marek Treiman
12:15	Lunch	
13.15	Electrical remodelling in arrhythmia	M. Allesie (NL)
14:00	Langendorff experiments and novel pharmacological principles	Rie Hansen
14:30	<i>In vitro</i> methods in gap junction studies	Morten Schak Nielsen
14:30	Mathematical models of cardiac signaling	N.H. Holstein-Rathlou
15:00	Experimental <i>in vivo</i> studies	Morten Grunnet
15:30	Coffee break	

Practical workshops : building 9, room 14 a+b

16:00- 17.30	Practical exercise with LabHeart computer model	Course tutors

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Tuesday April 13th , 2010

Linking clinical, genetic and basic studies

Chairman: S. Haunsø

09:00	Atrial fibrillation: Clinical aspects	Jesper Hastrup Svendsen
09:30	Inflammation and AF	Jeff Olgin (USA)
10:15	Atrial fibrillation and the renin-angiotensin system	Ole Dyg Petersen
10:45	Coffee break	
11:15	The ECG in atrial fibrillation	Pyotr Platonov (S)
11:45	Genetics and ion-channels in AF	Morten S. Olesen
12:15	Lunch	
13:15	Sudden Cardiac Death syndrome	Elijah Behr (UK)
14:00	The Ito current and arrhythmia	Kirstine Calløe
14:30	Brugada Syndrome: Clinical aspects	Jacob Tfelt-Hansen
15:00	Coffee break	
15:30	Catecholaminergic Polymorphic VT	Juliane Theilade
16:00	LQTS: Clinical aspects	Jørgen Kanters
16:30	Arrhythmogenic Right Ventricular Cardiomyopathy	Alex Hørby Christensen

19:00 Dinner in Copenhagen

