



Introductory course to cardiovascular research and medicine

15-19 OCTOBER 2018



NORHEART

THE NORWEGIAN PHD SCHOOL OF HEART RESEARCH

MONDAY 15. OCTOBER

Role of predisposing factors in relation to ischemic heart disease and heart failure: diabetes, hypertension, metabolism, gender.

09.00–09.15	Welcome, short introduction to NORHEART
09.15–09.45	The global burden of ischemic heart disease, national and international risk factors Serena Tonstad (UiO, OUS)
09.45–09.50	<i>"Student-buzz-group" –questions</i>
09.50–10.20	Metabolic syndrome and ischemic heart disease Ingebjørg Seljeflot (UiO)
10.20–10.25	<i>"Student-buzz-group" –preparing questions</i>
10.25–10.45	Discussion: Risk factors in heart disease, future perspectives Ingebjørg Seljeflot (UiO).
10.45–11.00	Break
11.00–12.00	Group work/student presentations
12.00–13.00	Lunch
13.00–13.30	Hypertension and heart disease Sverre Erik Kjeldsen (UiO)
13.30–13.35	<i>"Student-buzz-group" –preparing questions</i>
13.35–14.05	Gender and heart disease Eva Gerds (UiB)
14.05–14.10	<i>"Student-buzz-group" –preparing questions</i>
14.10–14.40	Genetics in heart disease Øyvind Haugen Lie (OUS)
14.40–14.55	Discussion: Sverre Erik Kjeldsen (UiO), Øyvind Haugen (OUS) and Eva Gerds (UiB)
14.55–15.10	Break
15.10–16.10	<i>Student presentations (10 min each with 5 min discussion)</i>
16.10–	Get-together, pizza

TUESDAY 16. OCTOBER

Acute myocardial ischemia

08.30–09.00	Acute myocardial ischemia: a clinical perspective Erik Øie (Diakonhjemmet sykehus, UiO)
09.00–09.05	<i>"Student-buzz-group" –preparing questions</i>
09.05–09.35	Acute myocardial ischemia: a basic science perspective Jarle Vaage (UiO)
09.35–09.40	<i>"Student-buzz-group" –preparing questions</i>
09.40–10.00	Discussion: translational heart research Jarle Vaage (UiO) and Erik Øie (UiO)
10.00–10.20	Break
10.20–10.50	An updated view on the process of atherosclerosis, plaque rupture and thrombosis Bente Halvorsen (UiO, OUS)
10.50–10.55	<i>"Student-buzz-group" –preparing questions</i>

10.55-11.25	Preventing atherosclerosis Kjetil Retterstøl (UiO)
11.25-11.30	<i>"Student-buzz-group" –preparing questions</i>
11.30-12.00	Discussion: Diet, atherosclerosis and heart disease Bente Halvorsen (UiO, OUS) and Kjetil Retterstøl (UiO)
12.00-13.00	Lunch
13.00-14.00	Hot-spot: Sean Davidson; Principle Research Fellow, the Hatter Cardiovascular Institute, University College London Studies to protect the heart from ischaemia and reperfusion injury - From bench to bedside and back again
14.00-14.15	Break
14.15-14.45	Cardiac arrhythmias: from basic science to bedside treatment Ravinea Monotheepan (OUS)
14.45-14.50	<i>"Student-buzz-group" –questions</i>
14.50-15.20	Ventricular fibrillation and cardiac arrest Kjetil Sunde (OUS, UiO)
15.20-15.30	<i>"Student-buzz-group" –questions</i>
15.30-16.00	<i>Student presentations (10 min each with 5 min discussion)</i>
08.30-09.10	The process of cardiac remodeling and transition to heart failure Geir Christensen (UiO)
09.10-09.15	<i>"Student-buzz-group" –preparing questions</i>
09.15-09.55	Heart failure: epidemiology, etiology, clinical symptoms and current treatment Lars Gullestad (UiO, OUS)
09.55-10.00	<i>"Student-buzz-group" –preparing questions</i>
10.00-10.30	Discussion: Heart failure, what is tomorrow's treatment? Geir Christensen (UiO) and Lars Gullestad (UiO)
10.30-10.45	Break
10.45-11.15	Biomarkers in heart disease Torbjørn Omland (OUS, UiO)
11.15-11.20	<i>"Student-buzz-group" –preparing questions</i>
11.20-11.50	Biomarkers and innovation Dag Christiansen (CEO, CardiNor)
11.50-12.00	Discussion: Science and innovation
12.00-13.00	Lunch
13.00-14.30	<i>Group work/student presentations</i>
14.30-14.45	Break
14.45-15.15	Managing a career combining research and clinical work Søren Pischke (OUS)
15.15-15.45	How I ended up with a faculty position Bill Louch (UiO, OUS)

WEDNESDAY 17. OCTOBER

Heart failure

THURSDAY 18. OCTOBER

Experimental models

15.45-16.00	Discussion: What should we do as young scientists?
08.30-09.45	<i>Student presentations (10 min each with 5 min discussion)</i>
09.45-10.00	Break
10.00-10.45	Stem cells, from basic biology to bedside treatment Jan Brinchmann (UiO)
10.45-11.00	Discussion: "Translating basic stem cell research into human therapy"
11.00-11.15	Break
11.15-12.00	<i>Student presentations (10 min each with 5 min discussion)</i>
12.00-13.00	Lunch
13.00-13.30	From rat cardiomyocyte contractility to a home-based exercise program for heart failure patients Øyvind Ellingsen (NTNU, CERG)
13.30-13.45	Discussion: Drugs or exercise? Øyvind Ellingsen (NTNU, CERG)
13.45-14.00	Break
14.00-14.30	Large animal models of cardiovascular disease Søren Erik Pischke (OUS)
14.30-14.35	<i>"Student-buzz-group" -preparing questions</i>
14.35-15.05	In-vivo rodent models of human cardiovascular disease Jan Magnus Aronsen (UiO)
15.05-15.10	<i>"Student-buzz-group" -preparing questions</i>
15.10-15.30	Discussion: Are rodents small furry humans? Søren Erik Pischke (OUS) and Jan Magnus Aronsen (UiO)
15.30-16.00	<i>Group work/student presentations</i>

FRIDAY 19. OCTOBER

Heart research in Norway:
some existing networks

08.30-08.45	Presentation of Center for Heart Failure Research Geir Christensen (UiO)
08.45-09.00	Presentation of NORHEART Geir Christensen (UiO)
09.00-10.15	<i>Student presentations (10 min each with 5 min discussion)</i>
10.15-10.30	Break
10.30-12.00	<i>Student presentations (10 min each with 5 min discussion)</i>
12.00-13.00	Lunch
13.00-13.15	<i>Course evaluation and information about the exam</i>
13.15-15.15	<i>Exam</i>