

15th ANNUAL CHFR SYMPOSIUM ON
HEART FAILURE

SEPTEMBER 20-22, 2017
HOLMENKOLLEN PARK HOTEL
OSLO, NORWAY



PROGRAM 15th ANNUAL CHFR SYMPOSIUM ON HEART FAILURE

Wednesday September 20

NORHEART Cardiac Café

Chairs: Ida G Lunde, OUH, UoO and Kåre-Olav Stensløykken, OUH, UoO

17:30 Finger food

18:00 **The future of cardiac research - opportunities for young researchers**
Calum MacRae, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA

19:00 **Monsters, monkeys and mass media - my story**
Jørn Hurum, University of Oslo

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Thursday September 21

07:30-08:00 Registration and poster set-up

Opening session

Chairs: Ida G Lunde, OUH, UoO and Kristina H Haugaa, OUH, UoO

08:00-08:15 **Opening remarks**
Arvid Hallén, Immediate past Director General, The Research Council of Norway

08:15-09:00 **Key note lecture: Systematic approaches to translation in cardiovascular research**
Calum MacRae, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA

09:00-09:15 Break

Moderated poster sessions

in collaboration with NORHEART

I: Biomarkers and cardiac disease

Moderators: Sigrun Halvorsen, OUH, UoO and Erik Øie, Diakonhjemmet Hospital

II: Cellular signaling: Myocardial hypertrophy and ischemia

Moderators: Terje Larsen, University of Tromsø and Kåre-Olav Stensløykken, UoO

III: Cardiac function during heart failure and exercise training

Moderators: Øivind Rognmo, Norwegian University of Science and Technology and Ole-Jakob How, University of Tromsø

IV: Cellular signaling: Myocardial function and arrhythmias

Ivar Sjaastad, OUH, UoO and Leif Erik Vinge, Diakonhjemmet Hospital

V: Diagnostic and therapeutic strategies for cardiac disease

Moderators: Stein Ørn, Stavanger University Hospital and Thor Edvardsen, OUH, UoO

VI: Inflammatory mediators and metabolism

Moderators: Arne Yndestad, UoO, OUH and Ingebjørg Seljeflot, UoO, OUH

11:30-12:30 Lunch

Inflammation in cardiovascular disease

Chairs: Ingebjørg Seljeflot, OUH, UoO and Harald Arnesen, OUH, UoO

12:30-13:10 **Inflammation in cardiovascular disease: The time for translation**
Peter Libby, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, USA.

13:10-13:50 **Immune cell remodeling in heart failure**
Sumanth Prabhu, University of Alabama, Birmingham, Alabama, USA

13:50-14:20 Break

From molecules to personalized risk stratification

Chairs: Mathis Korseberg Stokke, OUH, UoO and Bill Louch, OUH, UoO

14:20-15:00 **New nanoscale technique to study signalling in the cardiomyocyte**
Julia Gorelik, Imperial College London, UK

15:00-15:40 **Using little data and big data to personalize medicine**
Dan Roden, Vanderbilt University Medical Center, Nashville, Tennessee, USA

Friday September 22

Biomarkers and disease mechanisms as basis for new therapies

Chairs: Torbjørn Omland, UoO, AUH and Eva Gerdtts, Haukeland University Hospital, University of Bergen

08:15-08:55 **Heart failure with preserved ejection fraction: From mechanisms to therapies**

Carolyn S P Lam, Duke-National University of Singapore, Republic of Singapore

08:55-09:35 **Biomarkers and heart failure therapy: From clinical trials to clinical care**

James L Januzzi, Massachusetts General Hospital and Harvard Medical School, Boston, Massachusetts, USA

09:35-10:05 Break

Translational aspects of cardiac mechanics

Chairs: Bill Louch, OUH, UoO and Lars Gullestad, OUH, UoO

10:05-10:45 **Pumps and circumstances. The microstructures that keep the heart beating**

Ole M Sejersted, Oslo University Hospital and University of Oslo, Norway

10:45-11:25 **Translational aspects of HFpEF**

Burkert Pieske, Charité Universitätsmedizin Berlin and German Heart Center Berlin, Germany

11:30-12:30 Lunch

Cardiac remodelling in health and disease

Chairs: Ida G Lunde, OUH, UoO and Finn Olav Levy, UoO

12:30-13:10 **Can exercise teach us how to treat heart failure?**

Anthony Rosenzweig, Massachusetts General Hospital and Harvard Medical School, Boston, Massachusetts, USA

13:10-13:50 **MicroRNA-based therapy of cardiac hypertrophy and fibrosis**

Stefan Engelhardt, Technical University of Munich, Munich, Germany

13:50-14:20 Break

Developments in cardiac imaging

Chairs: Otto Smiseth, OUH, UoO and Ivar Sjaastad, OUH, UoO

14:20-15:00 **Heart failure with preserved ejection fraction: Role of multimodality imaging**

Victoria Delgado, Department of Cardiology, Leiden University Medical Center, Leiden, Netherlands

15:00-15:40 **Assessment of cardiac function with MRI: Current state-of-the-art and future perspectives**

Leon Axel, New York University School of Medicine, New York, USA

15:40-16:00 Presentation of Poster Prize Winners

LIST OF SPEAKERS 15th ANNUAL CHFR SYMPOSIUM ON HEART FAILURE



Calum MacRae, MD, PhD

Chief of Cardiovascular Medicine, *Genetics and Network Medicine Divisions at Brigham and Women's Hospital in Boston*; Associate Professor, *Harvard Medical School, The Broad Institute of MIT and Harvard Stem Cell Institute*
Boston, MA, USA



Jørn Hurum, PhD

Professor, *Norwegian Center for Paleontology, University of Oslo*
Oslo, Norway



Peter Libby, MD

Mallinckrodt Professor of Medicine, *Harvard Medical School and Cardiovascular Division, Brigham and Women's Hospital*
Boston, MA, USA



Sumanth Prabhu, MD

Director, *Division of Cardiovascular Disease*; Professor of Medicine, Professor of Cell, Developmental and Integrative Biology, *Mary G. Waters Chair of Cardiovascular Medicine Director, Comprehensive Cardiovascular Center University of Alabama - Birmingham*
Tuscaloosa, AL, USA



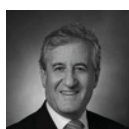
Julia Gorelik, PhD

Professor of Cellular Biophysics, *Cardiovascular Science Division at the National Heart and Lung Institute, Imperial College London*
London, UK



Carolyn S P Lam, PhD, MD

Senior Consultant Cardiologist, *National Heart Centre Singapore*; Professor, *Duke-National University of Singapore*
Singapore



Dan Roden, MD

Professor of Medicine, Pharmacology, Biomedical Informatics; Director, *Oates Institute for Experimental Therapeutics*; Senior Vice President for Personalized Medicine, *Vanderbilt University Medical Center*
Nashville, TN, USA



James L Januzzi, MD

Massachusetts General Hospital, Cardiology Division; Hutter Family Professor of Medicine, *Harvard Medical School*; Adjunct Associate Professor, *Department of Medicine, Duke University School of Medicine*
Boston, MA, USA



Ole M Sejersted, MD, PhD

Professor Emeritus, *Institute for Experimental Medical Research, Oslo University Hospital and University of Oslo*
Oslo, Norway



Anthony Rosenzweig, MD

Chief, *Cardiology Division and Co-Director, Corrigan Minehan Heart Center Massachusetts General Hospital*; Paul Dudley White Professor of Medicine, *Harvard Medical School*
Boston, MA, USA



Burkert Pieske, Dr. Med.

Professor and Director, *Department of Internal Medicine and Cardiology, Charité Universitätsmedizin Berlin*; Director, *Department and Clinic of Internal Medicine and Cardiology, German Heart Center Berlin Berlin, Germany*



Stefan Engelhardt, MD

Professor and Director, *Institute of Pharmacology and Technical University of Munich, School of Medicine, Munich, Germany*



Victoria Delgado, MD

Cardiologist and specializing in non-invasive imaging, *Department of Cardiology, Leiden University Medical Center*
Leiden, Netherland



Leon Axel, MD

Professor, *Department of Radiology, Department of Medicine, Department of Neuroscience and Physiology NYU Radiology Associates, New York University School of Medicine*
New York, NY, USA
