Location

Congress Venue
German Heart Center Munich, Main Auditorium
Lazarettstraße 36, D-80636 Munich, www.dhm.mhn.de

From the airport
Please take line S1 or S8 to “Hauptbahnhof” (main station) and change to Underground line U1, leave at “Mailingerstraße”

How to reach us by public transport
Underground line U1 to Maillingerstraße, 5 min walk, or Tram line 20, 21 or 22 to Hochschule München, 10 min walk.
Please avoid using your car – there are no parking places around the German Heart Center Munich.

Registration Fee
There is no registration fee for the symposium, but we would like to encourage you to inform our scientific office about your planned attendance.

Accreditation
CME-Credits
The 3rd Munich Conference on Cardiac Development is certified by Bayerische Landesärztekammer (15 points).

Scientific Organisation
Prof. Dr. med. Peter Ewert
PD Dr. med. Markus Krane
Prof. Dr. med. Rüdiger Lange
Prof. Dr. med. Karl-Ludwig Laugwitz
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Timothy Kamp
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Gerard Pasterkamp
Utrecht, NL

Thomas Braun
Bad Nauheim, GER
Bernhard Klär
Bonn, USA
Pilar Ruiz-Lazaro
Stanford, USA

Martin Dichgans
Munich, GER
Heyo Kroemer
Göttingen, GER
Hendrik Sager
Boston, USA

Stefan Engelhardt
Munich, GER
Fabienne Lescaut
Bruxelles, BEL
Thomas Thum
Hannover, GER

Thomas Eschenhagen
Hamburg, GER
Francesco Loffredo
Trieste, ITA
Matthias Tschöp
Munich, GER

Nikolaos Frangogiannis
New York, USA
Philipp Menasché
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Eldad Tzahor
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Mauro Giacca
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Hidemasa Oh
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Sean Wu
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Patrick Hueh
Taipei, TPE
Samir Ouazain
Lascaris, CH
Xia Yang
Los Angeles, USA

Howard Jacob
Husterville, USA
Martin Paul
Mastricht, NL
Yoshinori Yoshida
Kyoto, JPN

Keynote Speaker
Stefanie Dimmeler
Frankfurt, GER

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3rd Munich Conference on Cardiac Development
From current understanding to new regenerative concepts
June 1st – 3rd 2016
Dear colleagues and friends,

During the last years, innovative progress has been made in cardiovascular developmental biology, cardiovascular genomics and stem cell research, opening up new opportunities for the development of cardiac regenerative treatment strategies.

The 3rd Munich Conference on Cardiac Development – From current understanding to new regenerative concepts, to be held in the German Heart Center, Munich, Germany, on June 1st to 3rd 2016 will focus on understanding of heart disease and how to proceed to new regenerative concepts to foster future therapeutic regenerative treatment strategies.

The first day of the conference will focus on challenges in cardiovascular research considered from different perspectives and genetics and precision medicine in cardiovascular diseases. The second day proceeds with genetics and precision medicine in cardiovascular diseases and then addresses inflammation during cardiac development is in the focus and last but not least microRNAs in development and disease.

During the last years, innovative progress has been made in cell research, opening up new opportunities for the development of cardiac regenerative treatment strategies.

The 3rd day concentrates on cardiac regeneration, addressing aspects of cardiomyocytes versus non-cardiomyocytes and the translational part of regenerative therapies in large animals and humans. The last session will be on cardiac aging.

The conference will close with a keynote lecture on non-coding RNAs in cardiovascular disease and aging, held by Prof. Stefanie Hennig-Smusko director of the Institute of Cardiovascular Research in Frankfurt, Germany.

We are looking forward to welcoming you in Munich, share and discuss scientific issues and to foster personal relationships with you!

Rüdiger Lange Karl-Ludwig Laugwitz Markus Krane
Heribert Schunkert Peter Ewert

Wednesday, June 1st

Inauguration New Research Building 9:30 – 11:00
Opening Remarks Heribert Schunkert
Secretary of State, Ministry of Research and Education, Bernd Stöll
Medical Director of the German Heart Center Heribert Schunkert

Chair of the director of the German Heart Center Robert Siegemund
President of the Technical University München (TUM) Wolfgang Herrmann
Dean of the Medical Faculty of the TUM Peter Hingsenberg

11:00 – 11:30 Coffee break

Keynote Lectures ‘Future challenges of cardiovascular research’
11:30 – 12:00 European Perspective – President of the University of Maastricht Martin Paul
12:00 – 12:30 German Perspective – Chairman of the Deutsches Zentrum für Herz-Kreislauf- Forschung (DZHK) Thomas Etzchinger
12:30 – 13:00 Heart failure: the third wave – Speaker of the Munich Heart Alliance (MHA) Stefan Engelhardt
13:00 – 13:45 Official inauguration/wine, poster exhibition in the new research building

3rd Munich Conference on Cardiac Development
From current understanding to new regenerative concepts
14:30 – 15:00 Opening Remarks Karl-Ludwig Laugwitz
Genetics and precision medicine in cardiovascular diseases
Chair: Rüdiger Lange, Peter Ewert
15:30 – 16:30 Medical Informatics informing cardiovascular research
Hanno Knoorner
15:30 – 16:00 Role of the extracellular matrix in cerebral small vessel disease
Markus Dichter
16:00 – 16:45 Bridging myofibroblasts and human genetics in cardiovascular disease
Howard Jacob

17:00 – 18:00 Welcome cocktail

Thursday, June 2nd

Genetics and precision medicine in cardiovascular diseases II
Chair: Heribert Schunkert, Howard Jacob
9:00 – 9:30 Gene regulatory network studies of coronary artery disease loci Xia Yang
9:30 – 10:30 Artistic therapy dissected by Omics technologies
Gerard Postuma
10:00 – 11:00 Design of cardiovascular drugs
Matthias Tüppöl
11:00 – 11:30 Coffee break

Inflammation and repair
Chair: Thomas Etzchinger, Christian Weber
10:00 – 11:00 Immune and cytokine and cardiac remodeling
Mendel Sager
11:30 – 12:30 Heart regeneration and repair by endogenous stem cells
Patrick Hansen
12:00 – 13:00 TGFB-signaling in cardiac repair and fibrosis
Thomas Thum
13:30 – 15:00 Lunch break

Clonal growth in cardiac development
Chair: Alessandra Moretti, Agnes Görlach
13:30 – 14:00 Defining the heterogeneity among Mesp1+ cardiac progenitors
Patrick Hsieh
14:00 – 14:30 The role of differentiated cardiomyocytes and heart disease
Thomas Braun
14:30 – 15:00 Understanding cardiac developmental mechanisms via single cell ATLAS-seq
Sean Wu
15:00 – 16:00 Coffee break

Non-coding RNAs in development and disease
Chair: Stefan Engelhardt, Babak Hinkel
16:30 – 17:00 Short and long noncoding RNAs in cardiac remodeling
Thomas Thum
17:00 – 18:00 Molecular control of postnatal cardiomyocyte proliferation
Marco Diez
18:30 – 19:30 Super enhancer Lncs to cardiovascular disease
Stéphane Domin

Friday, June 3rd

Cardiac regeneration – Cardiomyocytes vs. non-cardiomyocytes
Chair: Lucz Hies, Markus Krane
10:00 – 11:30 Microenvironment stimulus of coronary artery disease
Volker Boekhoff
11:00 – 11:30 Epicardial scaffold and signal regeneration
Maurizio Raffa
11:30 – 12:00 A new cell purification method for pluripotent stem cell-based regeneration
Yoshinori Yoshida

Cardiac regeneration from large animal models to humans
Chair: Rüdiger Lange, Christian Kupatt
13:30 – 15:00 Cardiac progenitor cell-based therapy for congenital heart disease
Mira Merad
14:30 – 15:00 Human embryonic stem cell-derived cardiac progenitors for heart repair: a translational experience
Philipp Meinshausen
14:45 – 15:45 Title: TBA
Bernhard Kuhn
15:45 – 17:00 Coffee break

Cardiac aging
Chair: Karl-Ludwig Laugwitz, Lucz Hies
15:00 – 16:30 Generation and renewal of cardiomyocytes
Ole Bergmann
15:30 – 16:00 Circulating factors in cardiac aging
Francesco Lotito
16:00 – 17:00 Lineage reprogramming of fibroblasts into induced cardiac progenitor cells
Timothy Kamp
16:30 – 17:00 Coffee break

Keynote Lecture Chair: Markus Krane
17:30 – 18:00 Non-coding RNAs in cardiovascular disease and aging
Stefanie Hennig-Smusko

Please contact: cardiac-symposium2016@dhm.mhn.de

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