

October 20th, 2021

9 ⁰⁰ - 10 ⁴⁵	Translational Session II <i>Christoph Schmitz, Karl-Ludwig Laugwitz</i> „Latest TAVI trends“ <i>Sabine Bleiziffer</i> (HDZ NRW, Bad Oeynhausen, Germany) „Right ventricle as outcome predictor for transcatheter valve procedures“ <i>Jakob Ledwoch</i> (München Klinik Neuperlach, Germany) „Ventricular tachycardias – treatment options in prevention of sudden death“ <i>Petra Hoppmann (MRI, TU Munich, Germany)</i> „Update SCAFFOLDS“ - Status Quo Resorbable Stents in interventional therapies“ <i>Jens Martin (Biotronik, Berlin, Germany)</i> „Novel tools and models for gene and cell therapy“ <i>Wolfgang Wurst</i> (HelmholtzZentrum, Munich, Germany) „CUREPLaN: focus on treatment options“ <i>Pieter A. Doevendans (UMC Utrecht, Netherlands)</i>
10 ⁴⁵ - 11 ⁰⁰	Coffee Break
11 ⁰⁰ - 12 ¹⁵	DFG/ANR Session II MIF proteins in other kingdoms: evolution, mechanisms & applications <i>Elias Lolis, Harald Keller</i> „MIFs in fungal pathogenesis“ <i>Karlheinz Kogel (JLU Gießen, Germany)</i> „Exploring functions and mechanisms of plant MIF“ <i>Ralph Panstruga (RWTH Aachen, Germany)</i> „eIF3-mediated protein quality control promotes mitochondrial homeostasis and muscle health“ <i>Dieter Wolf (Xiamen University, China)</i> „MIF in cardiovascular diseases: what can we learn from other kingdoms?“ <i>Jürgen Bernhagen (LMU Munich, Germany)</i>
12 ¹⁵ - 12 ³⁰	Closing remarks <i>Sabine Steffens, Jürgen Bernhagen, Christian Kupatt</i>
13 ⁰⁰ - 17 ⁰⁰	Business Meeting of the ANR/DFG MIF-X-Kingdom Consortium <i>Panstruga, Bernhagen, Kogel, Keller and teams</i>

Official Event Organizer:

Klinikum rechts der Isar (TU Munich)
Ismaninger Straße 22
81675 Munich

Persons in charge:

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Hybrid event - in cooperation with the LMU Munich & the Venice International University on-site.

Funded by public & industrial partners:



Sardocor Corp. (10.000 \$), Edwards Lifesciences Corporation (5.000 €), Bristol-Myers Squibb (4.100 €), Alnylam Germany GmbH (4.000 €), Abiomed Europe GmbH (2.000 €), Lilly Deutschland GmbH (1.800 €), Biotronik SE & Co. KG (1.500 €), AstraZeneca GmbH (1.000 €), Zoll CMC GmbH (1.000 €), Eppendorf AG (300 €).

Requested as certificated training course for physicians at the Bavarian Medical Board (<https://www.blaek.de/>).

9th “Cardiac Regeneration and Vascular Biology” conference

in San Servolo, Venice & online
October 18th-20th, 2021



October 18th, 2021

12⁰⁰ - 12¹⁵ **Opening remarks**
Sabine Steffens, Jürgen Bernhagen, Christian Kupatt

12¹⁵ - 14⁰⁰ **Cardiovascular Session I**
Rabea Hinkel, Christian Kupatt

“Arteriogenesis by VEGF-titration”
Ferdinand LeNoble (KIT Karlsruhe, Germany)

“Regulation of Tertiary Lymphoid Structure Formation by Blood Vessels”
Florian Limbourg (MH Hannover, Germany)

“Microvesicles as signaling hubs”
Gianluigi Condorelli (Humanitas Milano, Italy)

“Metabolic control of angiogenesis”
Massimo Santoro (University of Padua, Italy)

“Cardiac stromal cells in fibrosis versus angiogenesis”
Jean-Sébastien Hulot (Paris Cardiovascular Research Center, France)

14⁰⁰ - 15³⁰ **IRTG 1123 Joined Session I**
Mechanisms of atherosclerosis
Sabine Steffens, Valentina Paloschi

„Neutrophils – key players in atherosclerosis“
Carlos Silvestre-Roig (WWU Münster, Germany)

“An unbiased view of inflammasomes in atherosclerosis”
Peter Duewell (UK Bonn, Germany)

“The balance of life and death in the vessel wall”
Katey Rayner (Ottawa Heart Institute, Canada)

“Adipose inflammation in diabetes and atherosclerosis”
Alexander Bartelt (LMU Munich, Germany)

15³⁰ - 17⁰⁰ **Coffee Break and Poster Session I**

17⁰⁰ - 18⁰⁰ **IRTG 1123 Joined Session II**
Young Investigator Competition
Katey Rayner, Lars Maegdefessel & Alex Bartelt
Junior short talks I-IV

18⁰⁰ - 19⁰⁰ **DZHK Keynote Lecture**
Christian Kupatt

“Modelling of complex genetics in iPSC models”
Alessandra Moretti (MRI, TU Munich, Germany)

October 19th, 2021

9⁰⁰ - 10³⁰ **DFG/ANR Session I**
MIF proteins in inflammation and cardiovascular disease
Session Chair: Seamas Donnelly

“MIF proteins in health & disease”
Richard Bucala (Yale University, New Haven, USA)

“MIF proteins, early age and innate immunity”
Thierry Roger (CHUV, Lausanne, Switzerland)

“3D structures of MIF proteins, their receptors and inhibitor complexes”
Elias Lolis (Yale University, New Haven, USA)

“MIF & the lung”
Seamas Donnelly (Trinity College Dublin, Ireland)

10³⁰ - 10⁴⁵ **Coffee Break**

11⁰⁰ - 12³⁰ **DZHK Session I**
New trends and technologies
Karl-Ludwig Laugwitz, Alessandra Moretti

„Genetic risk in coronary artery disease – novel therapeutic targets“
Thorsten Kessler (German Heart Center, TU Munich, Germany)

„The extracellular matrix protein Agrin improves MI outcome in pigs“
Andrea Bähr (MRI, TU Munich, Germany)

„Engineered Human Myocardium for Heart Repair“
Malte Tiburcy (UMC Goettingen, Germany)

„Targeting non-coding RNAs for vascular cell therapy”
Lars Maegdefessel (MRI, TU Munich, Germany)

12³⁰ - 14⁰⁰ **Lunch Break and Poster session II**

14⁰⁰ - 15⁴⁵ **Translational Session I**
Nikolai Klymiuk

„Novel vector systems for effective gene therapy”
Roger Hajjar (Flagship, Cambridge, MA, USA)

„RNAi therapeutics for cardiac regeneration”
Mauro Giacca (King’s College London, UK)

„Novel Aspects in Pacemaker Cell and Cardiomyocyte Programming”
Robert David (RTC, University Rostock, Germany)

„RNAi therapy – future-orientated approaches“
Eimo Martens (MRI, TU Munich, Germany)

„Interplay of nervous and immune system in hypertension and heart failure“
Daniela Carnevale (Sapienza University of Rome, Italy)

„Gene therapy in rare diseases“
Oliver Müller (UMC Kiel, Germany)

“Thrombo-inflammation in cardiovascular disease”
Meinrad Gawaz (Medizinische Universitätsklinik Tübingen, Germany)

15⁴⁵ - 16⁰⁰ **Coffee break**

16⁰⁰ - 17³⁰ **Innovative reperfusion therapeutics Session I**
Richard Bucala

“CD98-mediated vascular cell proliferation”
William Boisvert (University of Hawaii School of Medicine, Honolulu, USA)

“Tailored approaches to treat cardiac fibrosis”
Thomas Thum (IMTTS, Hannover Medical School, Germany)

“miR-21 as a therapeutic target in heart failure”
Deepak Ramanujam (MRI, TU Munich, Germany)

“Cardiac Regenerative Therapies - from Animal Models to Clinical Trials”
Eldad Tzahor (Weizmann Institute of Science, Rehovot, Israel)

19⁰⁰ **Social Event** (all participants)
venue: restaurant “Antica Locanda Montin”