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16th & 17th of September



**Cardiac Physiology and
Experimental Cardiology
Workshop 2016 Program**

GESUNDHEITSCAMPUS

Immunologie, Infektiologie und Inflammation



Entzündung verstehen | Volkskrankheiten heilen



OTTO VON GUERICKE
UNIVERSITÄT
MAGDEBURG



Friday 16th

10:00–12:00 Registration, coffee and snacks

12:00–12:15 Opening remarks and grand opening of
the Magdeburg Stiftung Herz: Prof. Dr.
Armin Willingmann, State Secretary of the
Ministry of Science and Economics

12:15–14:00 Blood and coagulation

Chair: Elisabeth Deindl/Hans Schnittler

12:15–12:40 Berend Isermann (Magdeburg)

Blood coagulation brought into clinics

12:45–13:10 Bernhard Rauch (Greifswald)

The signaling lipid sphingosine-1-phosphat interlinks
blood coagulation and vascular inflammation

13:15–13:40 Bernd Engelmann (München)

Immuno-thrombosis as a precursor process for
pathological vessel occlusions

13:45–14:00 Gustavo Ramos (Halle)

Myocardial aging as a lymphocyte-mediated phenomenon

14:00–14:30 Coffee break



Friday 16th

14:30–16:15 Heart

Chair: Klaus-Dieter Schlüter/Gerhild Euler

14:30–14:55 Johann Bauersachs (Hannover)

Modern management of heart failure

15:00–15:25 Jörg Heineke (Hannover)

The role of protein synthesis in cardiac hypertrophy
and heart failure

15:30–15:55 Jürgen Schrader (Düsseldorf)

Epicardial progenitor cells and cardiac regeneration

16:00–16:15 Oliver Drews (Heidelberg)

Endogenous proteasome regulation is decisive for cardiac
remodeling

16:15–17:15 Coffee break and poster session #1

17:15–19:00 Haemodynamics

Chair: Alexander Schmeisser/Johann Bauersachs

17:15–17:40 Alexander Schmeisser (Magdeburg)

Clinical significance of cardiac haemodynamics

17:45–18:10 Paul Steendijk (Leiden)

Left ventricular function analyzed by conductance catheter

18:15–18:40 Hans Schnittler (Münster)

Impact of fluid shear stress on endothelial barrier function
– from general phenomena to functional subdomains of cell
junctions

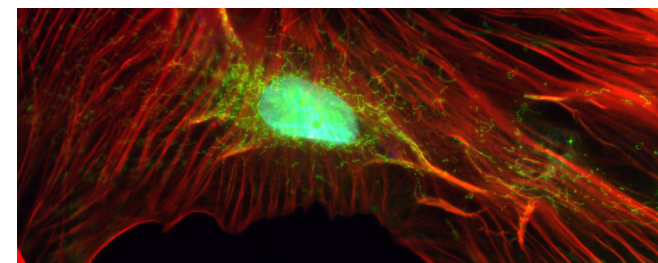
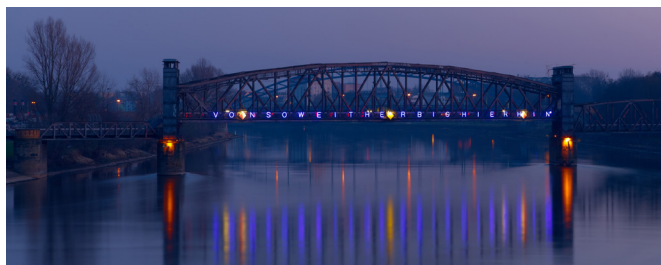
18:45–19:00 Irakli Kopaliani (Dresden)

Sex-specific expression of beta-adrenergic receptors in rat
aorta

19:00–23:00 Cello concert

Dinner and get together

City tour with the night watchman



Saturday 17th

8:30–10:30 Vascular biology

Chair: Johannes Waltenberger/Sönke Weinert

8:30

Keynote lecture 1: Andrew Newby (Bristol)

Heterogeneity of macrophages in atherosclerotic plaque

9:15–9:40 Daniel Sedding (Hannover)

Adventitial contribution to neointima formation

9:45–10:10 Jürgen Bernhagen (München)

Atypical chemokines in cardiovascular disease: players,
roles and mechanisms

10:15–10:30 Frederik Kloss (Hannover)

Systemic application of Sirolimus inhibits neointima
formation by reducing leukocyte recruitment

10:30–11:30 Coffee break and poster session #2

11:30–13:15 Angiogenesis and vascular Remodeling

Chair: Rüdiger Braun-Dullaeus/Daniel Sedding

11:30–11:55 Birgit Aßmus (Frankfurt)

Angiogenesis: from health to disease

12:00–12:25 Joachim Fandrey (Essen)

Tissue hypoxia – sensing the driving force for
angiogenesis

12:30–12:55 Elisabeth Deindl (München)

Mast cells in arteriogenesis

13:00–13:15 Kai Knöpp (Hannover)

MiR-146a inhibition augments angiogenesis and
myocardial regeneration

13:15

Keynote lecture 2: Frank Buchholz (Dresden)

From surgery to genome surgery

13:50

Closing remarks, Lunch and farewell