



2nd DZHK Conference on Translational Medicine

of the German Centre for Cardiovascular Research (DZHK e.V.)

Poster presentations

Day 1, Wednesday, 9 January 2019

Posters 1-15

1	Wesley	Abplanalp	Single cell sequencing reveals profound changes in monocytic cell clusters in patients with mutations associated with clonal hematopoiesis
2	Alessio	Alogna	Non-invasive evaluation of blood oxygen saturation in the heart using blood-oxygen-level-dependent T2 magnetic resonance imaging in a porcine model of acute systemic hyper- and hypoxemia.
3	Morad	Asadi	Endothelial TSA ^d and endothelial connections during sepsis
4	Andrea	Bähr	LEA29Y expression facilitates acceptance of human engineered heart tissue in transgenic pigs
5	Bishwas	Chamling	Sugars make the difference – Glycosylation of cardiodepressant antibodies regulates their activity in dilated cardiomyopathy
6	Jan	Christoph	Electromechanical Vortex Filaments during Cardiac Fibrillation
7	Kashan	David	Effect of Ionizing Irradiation on Engineered Heart Muscle for Cardiac Repair
8	Daniel	Finke	Epigenetic memory of metabolic stress - Identification of regulators for cardiac stress susceptibility
9	Youssef	Fouani	The endothelial-enriched lncRNA NTRAS regulates vessel permeability by controlling alternative splicing of tight junction gene
10	Robin	Hindmarsh	Exploring the role of LZTR1 for the development of cardiac hypertrophy in genome-edited iPSC-derived cardiomyocytes



11	Melanie	Hulshoff	Aortic stiffness in diabetes is contributed by endothelial-to-mesenchymal transition
12	Kristin	Kraeker	Pravastatin as a potential treatment to reduce long-term cardiovascular risk after preeclamptic pregnancy
13	Min-Chi	Ku	Cardiac MRI for in vivo quantification of myocardial perfusion deficits in a hypertrophic cardiomyopathy mouse model
14	Mariya M.	Kucherenko	Vascular remodeling in Pulmonary Hypertension due to Left Heart Disease
15	Anja	Mähler	Increased Salt Intake Decreases Postprandial Energy Expenditure in Healthy Volunteers - a Randomized Clinical Study

Day 2, Thursday, 10 January 2019

Posters 16-35

16	Jirko	Kühnisch	Identification of a therapeutic approach targeting the PRDM16 associated cardiomyopathy
17	Sara	Lelek	“Evaluation of analgesic treatment after cryoinjury in zebrafish heart”
18	Christoph	Lipps	Extracellular vesicles mediated small non-coding RNAs in the progression of chronic thromboembolic hypertension
19	Elisa	Mastantuono	Riboflavin treatment improves mitochondrial cardiomyopathy due to ACAD9 deficiency
20	Sören	Meyer	The role of FAM129B in monocyte/macrophage function during myocardial infarction
21	Irene	Müller	Serum levels of the damage-associated molecular pattern S100A8/S100A9 as a diagnostic and monitoring biomarker in patients with a recent onset of myocarditis
22	Paula	Münkler	High resolution mapping of focal VT from the papillary muscle identifies rate dependency of activation recovery interval
23	Nikoleta	Pavlaki	Gene therapy with phosphodiesterase 4B in a murine model of pressure overload-induced cardiac hypertrophy



24	Tobias	Petzold	Rivaroxaban exerts a direct antiplatelet effect on platelet activation and arterial thrombosis
25	Anca	Remes	Prevention of myocardial hypertrophy following AAV9-mediated NFAT hairpin decoy ODNs delivery into the myocardium
26	Lennart	Roos	Exploring LZTR1-associated Noonan Syndrome in patient-specific and CRISPR-corrected iPSC-derived cardiomyocytes
27	Sina	Schultz	Hyperglycemia-induced α -dicarbonyls in diabetes-related vascular dementia
28	Yasmine	Seibel	The role of serotonin in atherosclerosis, angiogenesis and remodelling of the vessel wall
29	Nicoline	Smit	Promoting transparency in preclinical research: preregistration of animal studies on www.preclinicaltrials.eu
30	Elisabeth	Strässler	Functional analysis of iPSC-derived endothelial cells from risk-stratified CAD patients and comparison with primary endothelial cells
31	Stephanie	Tennstedt	Soluble Guanylyl Cyclase: SNP Analysis - a Step Toward Drug Discovery
32	Viviana	Vedder	High-content screening using zebrafish as a model for angiogenesis
33	Tim	Wilhelmi	Serelaxin alleviates cardiac fibrosis through inhibiting endothelial-to-mesenchymal transition via RAFP1
34	Julia	Winter	PCSK9 deficiency is not associated with impaired cardiac repair capacity early after myocardial infarction
35	Jasmin	Zernikow	17 β -Estradiol regulates periostin in a sex-specific manner in human cardiac fibroblasts