International Symposium 2023

27 March 2023	
09:00	Welcome address and housekeeping notes
09:15 - 10:30	Cellular Identities and Epigenetics I Franziska Schneider-Warme
09:15	Michael Alexanian - Activation of fibroblasts in heart disease: molecular mechanisms and targets for therapeutic interventions
09:45	Dominic Grün (P01) - Dynamics of cardiac scar formation at single-cell resolution
10:00	Ralf Gilsbach (P02) - Decoding and steering of cardiac enhancers
10:15	Sebastian Preissl (P03) - Dissecting cardiovascular diseases using single cell genomics
10:30	Coffee break (posters on display)
11:00 - 12:30	Cellular Interactions and Immune Cell Function I Lutz Hein
11:00	Merry Lindsey - Cardiac wound healing: from fibroblasts and MMP to ECM and immune cell contributions
11:30	Daniel Dürschmied (P07) - Platelet subpopulations in myocardial infarction
11:45 12:00	Nina Cabezas-Wallscheid (P09) - Modulating hematopoietic stem cell activity by a vitamin A metabolite is beneficial for long-term recovery upon myocardial infarction Andyson Chan (P01, poster-selected talk) - Tracking spatio-temporal dynamics of scar
12.00	formation at single-cell resolution
12:15	David Meral (P05, poster-selected talk) - Single nucleus RNAseq analysis of aldosterone-induced heart failure with preserved ejection fraction
12:30	Lunch break (posters on display)
13:30 – 15:00	Implications for Scar Development and Modulation I Ursula Ravens
13:30	Sonia Nielles-Vallespin - Non-invasive microstructural imaging of the heart
14:00	Franziska Schneider-Warme (P13) - Novel optogenetic tools to manipulate cardiac EP
14:15	Wilhelm Röll (P14) - Modulation of Connexin43 expression in the myocardial scar: Effects
14:30	on scar formation, cardiac function and electrical vulnerability Tsai-Sang Dederichs (P08, poster-selected talk) - Myeloid cells with clonal hematopoiesis-driver mutations enter cardiovascular lesions
14:45	Joachim Greiner (P11, poster-selected talk) - Novel tools for image analysis
15:00	Coffee break (posters on display)
15:30 – 16:30	Portraits of two CRC Peter Kohl
15:30	Marc Freichel – CRC1550
15:50	Stefan Frantz – CRC1525
16:15	Meeting photo
16:30 – 18:30	Poster session (drinks will be provided)
16:30	Poster presentation (odd project numbers)
17:30	Poster presentation (even project numbers)
19:00	Conference Dinner

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09:15 – 10:30	Cellular Identities and Epigenetics II Jana Grune
09:15 09:45	Vincent Segers - Epigenetic regulation of intercellular communication in cardiac lesions Sukanya Guhathakurta (P04) - The lysine acetyltransferase MOF regulates diverse nonhistone targets
10:00	Achim Lother (P05) - Regulators of cardiac endothelial cell gene expression in health and disease
10:15	Dennis Wolf (P06) - Deciphering autoimmunity in cardiovascular disease
10:30	Coffee break (posters on display)
11:00 – 12:15	Cellular Interactions and Immune Cell Function II Thorsten Kessler
11:00	Kory Lavine - Macrophage diversity in cardiac homeodynamics, pathology and repair
11:30	Tamara Vico (P08) - Sensitive cardiac macrophage interactions determine cardiac health
11:45	Olaf Groß (P10) - Small molecules triggering NLRP3
12:00	Eva Rog-Zielinska (P11) - Cardiac nano-dynamics - imaging motion on the sub-nanometre scale
12:15	Lunch break (posters on display)
13:15 – 14:45	Implications for Scar Development and Modulation II Eilidh MacDonald
13:15	Ebba Brakenhielm - Cardiac lymphatics: roles in steady state and remodelling
13:45	Timo Heidt (P15) - Interventional Treatment and Molecular Imaging of Coronary and Myocardial Inflammation by MRI
14:00	Marbely Calderon Fernandez (P13, poster-selected talk) - Optogenetic investigation of electrotonic coupling between myocytes and non-myocytes in cardiac remodelling
14:15	Esther Carls (P14, poster-selected talk) - Magnet-assisted cell positioning and immunomodulation significantly improve the engraftment of intramyocardially transplanted cardiomyocytes or cardiac fibroblasts after myocardial infarction
14:30	Felix Wiedmann (P16, poster-selected talk) - Atrial fibrillation-associated electrical and structural remodelling - is there a potential for reversibility?
14:45	Coffee break (posters on display)
15:15 – 16:15	Implications for Scar Development and Modulation III Stephan Lehnart
15:15	Callum Zgierski-Johnston (P17) - Perivascular excitation tunnelling as a novel mechanism of cardiac reperfusion arrhythmias
15:30	Jochen Knaus (INF) - Structured experimental documentation with linkage of biological samples from the CardioVascular BioBank
15:45	Poster prizes and concluding remarks
16:30	Time for informal meetings