

34th Meeting of the European Section of the International Society for Heart Research



July 24-27, 2017
Hamburg, Germany
Ishr-hamburg-2017@uke.de



Local organizers: Lucie Carrier & Thomas Eschenhagen

Monday 24th July 2017						
08:30-9:00	Registration young investigators					
9:00-10:30	MAIN AUDITORIUM	YI Session 1	Young investigator Session 1	Chair person 1	Alessandra Ghigo, Turin, IT	
				Chair person 2	Marc Hirt, Hamburg, DE	
				Abstract 1		
				Abstract 2		
				Abstract 3		
				Abstract 4		
				Abstract 5		
10:30-11:00	Coffee break - Foyer					
11:00-12:30	MAIN AUDITORIUM	YI Session 2	Young investigator Session 2	Chair person 1	Konstantina Stathopoulou, Hamburg, DE	
				Chair person 2	Vasco Sequeira, Amsterdam, NL	
				Abstract 1		
				Abstract 2		
				Abstract 3		
				Abstract 4		
				Abstract 5		
12:30-13:30	Poster display, Registration, lunch					
13:30-14:00	MAIN	Opening ceremony				
14:00-15:00	MAIN	Plenary session 1 - 2017 Peter Harris Award of the ISHR - David Eisner, Manchester, UK - Ups and downs of calcium in the heart				
15:00-16:30	MAIN AUDITORIUM	Session 1 (ex4)	DZHK Session : Novel approaches to target pathological cardiac hypertrophy	Chair person 1	Stefanie Dimmeler, Frankfurt, DE	
				Chair person 2	Gerd Hasenfuß, Göttingen, DE	
				Invited 1	Marc Freichel, Heidelberg, DE	TRPC Channels as targets
				Invited 2	Norbert Frey, Kiel, DE	Novel protein degradation pathways and their role in heart failure
				Invited 3	Stefan Engelhardt, Munich, DE	Translating anti-miR-21 treatment of cardiac remodeling
				Abstract 1		
				Abstract 2		
	PHYSIOLOGY	Session 2	Regulation of sarcomere function in health and disease	Chair person 1	Jolanda van der Velden, Amsterdam, NL	
				Chair person 2	Felix Friedrich, Hamburg, DE	
				Invited 1	Benjamin Prosser, Philadelphia, USA	Microtubule Role in Myocyte Mechanics
				Invited 2	Mathias Gautel, London, UK	Sarcomeric cytoskeleton - role of alpha-actinin
				Invited 3	Corrado Poggesi, Florence, IT	Thin filament proteins
				Abstract 1		
				Abstract 2		
	PHARMACOLOGY	Session 3	Optogenetics	Chair person 1	Viacheslav Nikolaev, Hamburg, DE	
				Chair person 2	Wolfram Zimmermann, Göttingen, DE	
				Invited 1	Philipp Sasse, Bonn, DE	Optogenetic termination of ventricular arrhythmia in mice and man
				Invited 2	Marco Mongillo, Padova, IT	Dissecting the cellular players of arrhythmia with cardiac optogenetics
				Invited 3	Gil Bub, Oxford, UK	Optical control of excitation waves in cardiac tissue
				Abstract 1		
				Abstract 2		
16:30-18:00	Coffee break + Poster session 1					
18:00-19:30	MAIN AUDITORIUM	Session 4 (ex1)	JMCC Session: β -Adrenergic signalling in pathological remodelling: friend or foe?	Chair person 1	Ali El-Armouche, Dresden, DE	
				Chair person 2	Rodolphe Fischmeister, Chateauf-Malabry, FR	
				Invited 1	Weinian Shou, Beijing, China	The role of STAT3 in β -adrenergic signaling and cardiac function
				Invited 2	Metin Avkiran, London, UK	β -Adrenergic signalling via protein phosphatases
				Invited 3	Frank Lezoualc'h, Toulouse, FR	β -Adrenergic signalling and CaMKII in cardiac remodeling
				Abstract 1		
				Abstract 2		
	PHYSIOLOGY	Session 5	New inflammatory targets in cardiac disease	Chair person 1	Klaus Preissner, Giessen, DE	
				Chair person 2	David Eisner, Manchester, UK	
				Invited 1	François Mach, Geneva, CH	Pathophysiological role of neutrophils in acute myocardial infarction
				Invited 2	Hector Cabrera-Fuentes, Giessen, DE	Extracellular nucleic acids as potential targets in inflammatory cardiac disease
				Invited 3	Gemma Vilahur Barcelona, Spain	Neutrophils and macrophage dynamics during cardiac disease
				Abstract 1		
				Abstract 2		
	PHARMACOLOGY	Session 6	Translational problems in cardioprotection	Chair person 1	Katrin Schröder, Frankfurt, DE	
				Chair person 2	Michel Ovize, Lyon, FR	
				Invited 1	Gerd Heusch, Essen, DE	Problems in clinical trials on cardioprotection
				Invited 2	Derek Hausenloy, London, UK	Lack of adequate endpoints
				Invited 3	Peter Ferdinandy, Budapest, HU	Lack of correct animal studies for target discovery and validation?
				Abstract 1		
				Abstract 2		
From 19:30	Get-together UKE outside					

Tuesday 25 th July 2017							
8:00-9:00	ES-ISHR council meeting I						
9:00-10:00	MAIN	Plenary session 2 - 2017 Outstanding Investigator Award of the ISHR - Jolanda van der Velden, Amsterdam, NL - Bench to bedside stories of sarcomeric cardiomyopathies					
10:00-10:30	Coffee break						
10:30-12:00	MAIN AUDITORIUM	Session 7	JMCC Session: Molecular-based therapy for inherited cardiac diseases	Chair person 1	Gisèle Bonne, Paris, FR		
				Chair person 2	Giulia Mearini, Hamburg, DE		
				Invited 1	Thierry VandenDriessche, Bruxelles, BE	Next-generation gene and cell therapy for Duchenne muscular dystrophy	
				Invited 2	Yigal Pinto, Amsterdam, NL	Allele-specific siRNA	
				Invited 3	Mauro Giacca, Trieste, IT	CRISPR/Cas9	
				Abstract 1			
				Abstract 2			
		PHYSIOLOGY	Session 8	Pulmonary hypertension: discovering novel therapeutic targets	Chair person 1	Stefan Blankenberg, Hamburg, DE	
					Chair person 2	Denise Hilfiker-Kleiner, Hannover, DE	
					Invited 1	Florent Soubrier, Paris, FR	Genetics of pulmonary hypertension
					Invited 2	Soni Pullamsetti, Bad Nauheim, DE	FoxO1 as a therapeutic target for pulmonary hypertension
					Invited 3	Guillaume Gilbert, Leuven, BE	Mechanotransduction in pulmonary hypertension
					Abstract 1		
			Abstract 2				
	PHARMACOLOGY	Session 9	Unravelling mechanisms of GWAS signals for coronary artery disease	Chair person 1	Jeanette Erdmann, Lübeck, DE		
				Chair person 2	Tanja Zeller, Hamburg, DE		
				Invited 1	Heribert Schunkert, Munich, DE	Lessons from GWAS	
				Invited 2	Lesca Holdt, Munich, DE	9p21 - still a mystery?	
				Invited 3	Folkert Asselbergs, Utrecht, NL	Novel candidate genes for CAD based on DNA regulatory elements with GWAS loci	
				Abstract 1			
				Abstract 2			
12:00-14:00	Lunch - Poster session 2						
13:00-14:00		Extra session	Journals as the forum for science: what's going on?	Chair person 1	David Eisner, Manchester, UK		
	Chair person 2			Gerd Heusch, Giessen, DE			
	Invited 1			Karin Sipido, Leuven, BE	A changing landscape in cardiovascular research publications		
	Invited 2			John Solaro, Chicago, USA	Why basic biomedical science is not reproducible		
	Invited 2			Joe Hill, Dallas, USA	The new <i>Circulation</i>		
14:00-15:30	MAIN AUDITORIUM	Session 10	JMCC Session : Protein kinases as therapeutic targets in cardiovascular disease	Chair person 1	Michael Marber, London, UK		
				Chair person 2	Friederike Cuello, Hamburg, DE		
				Invited 1	Kristina Lorenz, Dortmund, DE	Lessons from the multifaceted kinase modulator RKIP- identification of new potential strategy in heart failure therapy	
				Invited 2	Johannes Backs, Heidelberg, DE	Can CaMKII be inhibited without side effects within and outside the heart?	
				Invited 3	Philip Eaton, London, UK	Redox control of cAMP- and cGMP-dependent protein kinase	
				Abstract 1			
				Abstract 2			
		PHYSIOLOGY	Session 11	Human induced pluripotent stem cell-derived cardiomyocytes - ready for drug testing?	Chair person 1	Sian Harding, London, UK	
					Chair person 2	Ingra Mannhardt, Hamburg, DE	
					Invited 1	Arne Hansen, Hamburg, DE	Human iPSC cardiomyocyte maturity - how adult do they become?
					Invited 2	Godfrey Smith, Glasgow, UK	Calcium and voltage as readouts for drug effects
					Invited 3	Chris Denning, Nottingham, UK	Drug testing in hPSC-cardiomyocytes
					Abstract 1		
			Abstract 2				
	PHARMACOLOGY	Session 12	Mechanisms of atrial function in health and disease	Chair person 1	Cristina Molina, Essen, DE		
				Chair person 2	Ursula Ravens, Dresden, DE		
				Invited 1	Igor Efimov, Saint Louis, USA	Implantable EP devices for mice	
				Invited 2	Katharine Dibb, Manchester, UK	Atrial t-tubules in health and disease	
				Invited 3	Niels Voigt, Essen, DE	Excitation-contraction-coupling changes in atrial fibrillation	
				Abstract 1			
		Abstract 2					
15:30-17:00	Coffee break - Poster session 3						
17:00-18:30	MAIN AUDITORIUM	Session 13	YI competition	Chair person 1	Rodolphe Fischmeister, Châtenay-Malabry, FR		
				Chair person 2	Thomas Eschenhagen, Hamburg, DE		
				Selected YI 1			
				Selected YI 2			
				Selected YI 3			
				Selected YI 4			
				Selected YI 5			
		PHYSIOLOGY	Session 14	p66Shc in cardiovascular diseases	Chair person 1	David García Dorado, Barcelona, ES	
					Chair person 2	Heimo Ehmke, Hamburg, DE	
					Invited 1	Marco Giorgio, IEO, Milan, IT	p66Shc biochemistry and intracellular signalling
					Invited 2	Gian Paolo Fadini, Padova, IT	p66Shc and metabolic syndrome
					Invited 3	Thomas F. Lüscher, Zurich, CH	p66Shc and vascular abnormalities
					Abstract 1		
					Abstract 2		
		PHARMACOLOGY	Session 15	Autophagy in the control of cardiac metabolism and hypertrophy	Chair person 1	Sonia Singh, Cincinnati, USA	
					Chair person 2	Marco Sandri, Padova, IT	
					Invited 1	Jeffrey Robbins, Cincinnati, USA	Targeting autophagy in cardiac proteotoxicity
					Invited 2	Sebastiano Sciarretta, Rome, IT	Cross-talk between the mTOR and Hippo signalling pathways in cardiomyocyte survival and growth
					Invited 3	Kinya Otsu, London, UK	New players of cardiac autophagy
					Abstract 1		
					Abstract 2		

Wednesday 26 th July 2017							
8:00-9:00	ES-ISHR council meeting II						
9:00-10:00	MAIN	Plenary session 3 - 2017 ISHR Keith Reimer Distinguished Lecture - Brian O'Rourke , Baltimore, USA - Life on the Edge: Mitochondria, Emergence, and Heart Disease					
10:00-10:30	MAIN	ISHR-ES General Assembly					
10:30-11:00	Coffee break						
11:00-12:30	MAIN AUDITORIUM	Session 16	Diadic organization and dysfunction in cardiac disease	Chair person 1	Yoram Etzion, Beer Sheva, IL		
				Chair person 2	Frederik Flenner, Hamburg, DE		
				Invited 1	Michael Frisk, Oslo, NO	Dyadic structure in heart failure	
				Invited 2	Andrew Trafford, Manchester, UK	Adrenergic alterations in heart failure: impact on systolic calcium	
				Invited 3	Julia Gorelik, London, UK	L-type calcium channel reorganization in heart failure	
				Abstract 1			
				Abstract 2			
				PHYSIOLOGY	Session 17	Gut microbiota and cardiovascular disease	Chair person 1
	Chair person 2	Derek Hausenloy, London, UK					
	Invited 1	Valérie Schini-Kerth, Strasbourg, FR	Gut microbiota and hypertension				
	Invited 2	Dominik Müller, Berlin DE	Salt-responsive gut modulates T _H 17 axis and salt-sensitive hypertension				
	Invited 3	Evasio Pasini, Pavia, IT	Gut microbiota and heart failure				
	Abstract 1						
	Abstract 2						
	PHARMACOLOGY	Session 18	Joint ISHR-SASCAR (South African Society for Cardiovascular Research): signaling in cardiometabolic diseases				Chair person 1
				Chair person 2	Fabio Di Lisa, Padova, IT		
				Invited 1	Mark Kearney, Leeds, UK	IGF receptor signalling in diabetes and insulin resistance	
				Invited 2	Barbara Huisamen, Cape Town, ZA	A role for ATM in insulin resistance associated with obesity	
				Invited 3	Marijke Brink, Basel, CH	mTOR in cardiac function and remodelling	
				Abstract 1			
				Abstract 2			
				12:30-14:00 Lunch - Poster session 4			
	14:00-15:30	MAIN AUDITORIUM	Session 19	Novel aspects of signalling in heart failure	Chair person 1	Karin Sipido, Leuven, BE	
					Chair person 2	Zoltan Papp, Debrecen, HU	
Invited 1					Jeffery Molkentin, Cincinnati, USA	A tension-based model for HCM and DCM	
Invited 2					Leon de Windt, Maastricht, NL	Balancing cardiac growth by hypertrophy and hyperplasia	
Invited 3					Joe Hill, Dallas, USA	mTOR – dependent control in cardiovascular disease	
Abstract 1							
Abstract 2							
PHYSIOLOGY					Session 20	Mitochondrial targets for cardiac diseases	Chair person 1
		Chair person 2	Christoph Maack, Homburg, DE				
		Invited 1	Ludovic Gomez, Lyon, FR	Sphingosine-1 Phosphate and mitochondria in cardioprotection			
		Invited 2	Kerstin Boengler, Giessen, DE	Connexins			
		Invited 3	Thomas Krieg, Cambridge, UK	Mitochondrial-targeted pharmacotherapy			
		Abstract 1					
		Abstract 2					
		PHARMACOLOGY	Session 21	GENome and RNAome in cardiac development and disease			Chair person 1
Chair person 2					Justus Stenzig, Hamburg, DE		
Invited 1					Thomas Thum, Hannover, DE	Translational non-coding RNA based therapeutic approaches of heart failure	
Invited 2					Thierry Pedrazzini, Lausanne, CH	lncRNA in cardiac regeneration	
Invited 3					Roger Foo, Singapore, SG	Circular RNAs: a system biology approach	
Abstract 1							
Abstract 2							
15:30-16:00 Coffee break							
From 16:00		Boat tour in Hamburg Harbor (17:30-19:00) and Gala Dinner in AuQuai restaurant (19:00-Midnight)					

Thursday 27 th July 2017							
9:00-10:00	MAIN	Plenary Session 4 - Keynote Lecture - Fabry disease - from gene mutations to therapy - Ales Linhart, Prague, CZ					
10:00-11:30	Coffee break - Poster session 5						
11:30-14:00	MAIN AUDITORIUM	Session 22	Joint ISHR-DGK (German Society of Cardiology) : Communication between myocytes and non-myocytes	Chair person 1	Thomas Wieland, Manheim DE		
				Chair person 2	Ralf Brandes, Frankfurt, DE		
				Invited 1	Kai Wollert, Hannover, DE	Paracrine mechanisms in infarct repair: new players and emerging therapeutic applications	
				Invited 2	Jörg Heineke, Hannover, DE	Impact of myocardial endothelial cells on the development of cardiac hypertrophy and heart failure	
				Invited 3	Tania Zaglia, Padova, IT	The everlasting neuro-cardiac liaison	
				Abstract 1			
				Abstract 2			
				PHYSIOLOGY	Session 23	Short steps and long strides towards cardiac regeneration	Chair person 1
	Chair person 2	Mauro Giacca, Trieste, IT					
	Invited 1	Hesham Sadek, Dallas, USA	Redox regulation of cardiomyocyte renewal				
	Invited 2	Florian Weinberger, Hamburg, DE	iPSC-derived engineered heart tissue for cardiac regeneration				
	Invited 3	Felix Engel, Erlangen, DE	Novel mechanisms governing cardiomyocyte proliferation				
	Abstract 1						
	Abstract 2						
	PHARMACOLOGY	Session 24	Anthracycline cardiomyopathy: understanding mechanisms and discovery of new therapies				Chair person 1
				Chair person 2	Emilio Hirsch, Torino, IT		
				Invited 1	Hossein Ardehali, Chicago, US	Mitochondrial iron and anthracycline cardiomyopathy	
				Invited 2	Tetsuo Minamino, Osaka, JP	ER stress and anthracycline cardiomyopathy	
				Invited 3	Alessandra Ghigo, Turin, IT	PI3K inhibition in cardio-oncology: How to kill two birds with a stone	
				Abstract 1			
				Abstract 2			
				13:00-14:00	Lunch		
	14:00-15:00	MAIN	Plenary session 5 - ES-Servier Award - Poster and YI awards				
	From 14:00	Departure					

