

Friday, September 29 (Meeting Room)

Time	Theme	Title/Topic	Author/Chair
09:00-10:30		Exercise and microcirculation	Ahmadizad S. (Iran), Connes P. (France), Mantskava M. (Georgia), Graf B. (Germany)
09:00-09:15		Targets identified from exercised heart: killing three birds with one stone	Xiao J. (China)
09:15-09:30		Arterial stiffness and aerobic eccentric exercise: the good, the bad or the ugly	Mourot L. (France)
09:30-09:45		Effects of 30-minutes and 24-hours moderate normobaric hypoxia exposure on hematological and hemorheological parameters in patients with fontan circulation	Grau M. (Germany)
09:45-10:00		Effects of resistance exercise and training on thrombosis	Ahmadizad S. (Iran)
10:00-10:15		Effects of a "Living High-Training High" altitude training camp on total hemoglobin mass, blood rheology and red blood cells senescence in high-level open water swimmers	Carin R. (France)
10:15-10:30		Impact of 160.9 km/230 km ultramarathon-races on hematological and hemorheological parameters, and markers of inflammation, oxidative stress and nitric oxide production	Grau M. (Germany)
10:30-11:00	<i>Coffee break / Exhibition visit</i>		
11:00-12:30		Blood Rheology IV	Windberger U. (South Africa), Herr W. (Germany), Shin S. (South Korea)
11:00-11:15		The effect of fibrinogen concentration on the erythrocytes in blood clots from patients with type 2 diabetes mellitus	Alexandrova-Watanabe A. (Bulgaria)
11:15-11:30		Mechanotransduction via Piezo in red blood cells	Kuck L. (Australia)
11:30-11:45		Sub-populations of red blood cells and blood fluid properties	Kuck L. (Australia)
11:45-12:00		Altered hemorheology in Fontan and Glenn circulations: the single ventricle as a rheologic disease model	Surianny S. (USA)
12:00-12:15		Connection blood rheology and characteristics of form elements in patients with acute lymphoblastic leukemia	Mantskava M. (Georgia)
12:15-12:30		Relationships between lifestyle physical activity and acute symptoms, blood viscosity and vascular abnormalities in sub-saharan african patients with sickle cell disease	Diaw M. (Senegal)
12:30-13:30	<i>Lunch break / Exhibition visit</i>		

		Poster presentations (poster area)	
13:30-15:00		MIDAS Symposium: Endothelial aspects of fluid management - from lab to bedside	Lehmann C. (USA), Cerny V. (Czech Republic), Hiebl B. (Germany)
13:30-13:45		Endothelial aspects of fluid management	Lehmann C. (USA)
13:45-14:00		Clinical impact of endothelial glycocalyx research	Cerny V. (Czech Republic)
14:00-14:15		Approaches for glycocalyx protection – results of research on animal models	Astapenko D. (Czech Republic)
14:15-14:30		Maldistribution of fluid studied by volume kinetics	Hahn R. (Sweden)
14:30-14:45		Red blood cells lingering impacts hematocrit distribution in the microcirculation	Rashidi Y. (Germany)
14:45-15:00		A new approach to study blood coagulation by measuring the AC phase shift response in parallel with blood viscosity	Antonova N. (Bulgaria)
15:00-15:30	Coffee break / Exhibition visit		
15:30-17:00		Platelets and thrombosis	Manning K. (USA), Burkhardt R. (Germany), Shi Y. (China)
15:30-15:45		Challenges and insights to developing predictive thrombosis models	Manning K. (USA)
15:45-16:00		Assessment of therapeutic platelet inhibition in cardiac patients with a microfluidic platelet function test: Anysis-P2Y12 assay	Shin S. (South Korea)
16:00-16:15		Circulating platelet-derived microparticles modulate platelet adhesion and thrombus formation under flow	Redaelli A. (Italy)
16:15-16:30		Performance evaluation of two different software programs for automated ASPECTS scoring in patients with suspected stroke	Bartulos C.R. (Germany)
16:30-16:45		In vitro model of cardiac microvascular obstruction with porcine microthrombin	Obrist D. (Switzerland)
16:45-17:00		Adhesion of platelets activated by thrombin to intact endothelial cells	Shimano K. (Japan)
20:00-....	Banquet	<i>Brauhaus am Schloss Gloria, Princess of Thurn and Taxis</i>	