



SwissNeuroFoundation
furthering Clinical Neurosciences

international
NeurovascularExploratoryWorkshop

Center of Applied Biotechnology and
Molecular Medicine
University of Zurich



Aneurysm Stability
February 7-9, 2018
Zurich, Switzerland

	Wednesday, February 7, 2018		Thursday, February 8, 2018		Friday, February 9, 2018
	Start time Aneurysm Day 1		Start time Aneurysm Day 2		Start time Aneurysm Day 3
	08:00-09:45 Session 1: Hostile hemodynamic environment and wall inflammation Moderators: J Cebral, D Rüfenacht		08:00-09:45 Session 5: Treating aneurysm wall inflammation and gender issues Moderators: D Hasan, K Nuss		08:00-09:45 Session 9: "Omics" Moderators: V Tutino, P Bijlenga
	08:00 1.1: Welcome address & Workshop goals (K Nuss, D Rüfenacht)		08:00 5.1: Cyclo-oxygenase 2 mediated inflammation as a potential target to inhibit aneurysm growth (J Frösen)		08:00 9.1: Epigenetic Landscapes in Regulatory Regions of Genetic Risk for Intracranial Aneurysm (V Tutino)
	08:20 1.2: Local flow dynamics and inflammation, in vitro, in vivo and in humans (R Krams)		08:20 5.2: Gender differences observed with aspirin in decreasing aneurysm rupture in humans and mice (D Hasan)		08:20 9.2: Circulating RNA profiles of Intracranial Aneurysm as Potential Diagnostic Biomarker (V Tutino)
	08:40 1.3: Hostile hemodynamics, wall degeneration, aneurysm evolution and rupture prediction (J Cebral)		08:40 5.3: Rat model gender issues (K Nuss)		08:40 9.3: Intraaneurysmal sampling (D Hasan)
	09:00 Discussion		09:00 Discussion		09:00 Discussion
	09:45 Coffee break		09:45 Coffee break		09:45 Coffee break
	10:30-12:15 Session 2: Thrombus and wall inflammation Moderators: R Tulamo, S Morel		10:30-12:15 Session 6: Large aneurysms Moderators: K Wrede, J Dengler		10:30-12:15 Session 10: in-silico research Moderators: D Hasan, J Cebral
	10:30 2.1: Lipid accumulation and inflammation of the aneurysm wall - focus on thrombus (R Tulamo)		10:30 6.1: MRI:Thrombosed aneurysms in 7 T MRI (K Wrede)		10:30 10.1:Fluid-Solid-Growth-Transport model for (patient specific) cerebral aneurysm (Y Mei)
	10:50 2.2: Vessel wall histology and inflammation (S Morel)		10:50 6.2: Multiple intracranial aneurysms: Epidemiology and risk factors over the past 70 years (Jabbarli, R)		10:50 10.2: Modelling mechanobiology of cerebral vasospasm and treatment (G Pederzani)
	11:10 2.3: MRI Enhancement: Thrombus or Inflammation? (D Hasan)		11:10 6.3: Giant aneurysm CSF (D Rüfenacht)		11:10 10.3: Elongation by shear stress A computational model to consolidate endothelial cell shape changes (S Schilling)
	11:30 Discussion		11:30 Discussion		11:30 Discussion
	12:15 LUNCH		12:15 LUNCH		13:00 Conclusion and Farewell
	13:30-15:15 Session 3: Vessel wall imaging Moderators: T Krings, A Radbruch		13:30-15:15 Session 7: Aneurysm morphology S Hirsch, G Janiga		
	13:30 3.1: Looking beyond and into the lumen - Novel approaches in vascular imaging (T Krings)		13:30 7.1: Aneurysm morphology as a surrogate marker of unstable wall and risk of growth and rupture (J Frösen)		
	13:50		13:50 7.2: ... (N Juchler)		
	14:10 3.2: Vessel Wall Enhancement in Unruptured Intracranial Aneurysms an Indicator for Higher Risk of Rupture? (J Madjidyar)		14:10 7.3: Fluid-Structure Simulations of a Ruptured Intracranial Aneurysm: Constant versus Patient-Specific Wall Thickness (G Janiga)		
	14:30 Discussion		14:30 Discussion		
	15:15 Coffee break		15:15 Coffee break		
	16:00-17:45 Session 4: MRI wall enhancement Moderators: A Radbruch, R Krams		16:00-17:45 Session 8: Vessel wall regulation Moderators: (M Hottiger, ...)		
	16:00 4.1: Gadolinium enhancement predicts growth in an experimental aneurysm model (J Frösen)		16:30 8.1: NFkappaB (M Hottiger)		
	16:20 4.2: Correlation of CFD with enhancement (H Anzai)		17:00 8.2: ... (...)		
	16:40 4.3: Vessel wall permeability - Gadolinium pathways (A Radbruch)		17:30 8.3: ... (Y Tobe)		
	17:00 Discussion		18:00 Discussion		
	17:45 End of day 1		18:45 End of day 2		
			20:00 Meeting Dinner		