cabmm center for applied biotechnology and molecular medicine

SwissNeuroFoundation furthering Clinical Neurosciences

ernational NeurovascularExploratoryWorkshop

Center of Applied Biotechnology and Molec
Medicine
University of Zurich

NEW

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: Circulating RNA profiles of Intracranial Aneurysm as Potential Diagnostic Biomarker** (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: Epigenetic Landscapes in Regulatory Regions of Genetic Risk for Intracranial Aneurysm** (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: Aneurysm evolution** Moderators: K Wrede, I Wanke	**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)	10:45	**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: Aneurysm morphology as a surrogate marker of unstable wall and risk of growth and rupture** (J Frösen)	11:00	**10.3: Elongation by shear stress A computational model to consolidate endothelial cell shape changes** (S Schilling)
					11:15	**10.4: Computational and experimental insights into transitional flow regime in intracranial aneurysms: implications on rupture?** (K Jain)
	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** Moderators: 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: Quantifying shape irregularity and presence of blebs for rupture risk assessment** (J Cebral)		
			13:50	**7.2: Quantifying the irregularity of aneurysm shape** (N Juchler)		
	14:10	**3.2: Vessel Wall Enhancement in Unruptured Intracranial Aneurysms - an Indicator for Higher Risk of Rupture?** (Naomi Larsen)	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, D Gaul		
	16:00	**4.1: Gadolinium enhancement predicts growth in an experimental aneurysm model** (J Frösen)	16:30	**8.1: Uncovering the molecular mechanisms of oxidative stress regulation during inflammation** (M Hottiger)		
	16:20	**4.2: Correlation of CFD with enhancement** (H Anzai)	17:00	**8.2: From caloric restriction to cardiovascular health: a protective role for Sirt3 and Sirt6 in atherothrombosis** (D Gaul)		
	16:40	**4.3: Vessel wall permeability - Gadolinium pathways** (A Radbruch)	17:30	**8.3: mTOR** (E Battegay)		
	17:00	Discussion	18:00	Discussion		
	17:45	**End of day 1**	18:45	**End of day 2**		
				Meeting Dinner		