

**Summer School of the Research Training Group (Graduiertenkolleg)
Roles of Eicosanoids in Biology and Medicine
Aigen, Sept 1-5, 2007**

sponsored by DFG and



Program

Saturday, Sept 1

19:30 Welcome reception at Putterer Schloßl

Sunday, Sept 2

Time	(min)	Speaker	Title
9:00 – 10:30	30	Rau, Oliver	NFAT in the regulation of 5-lipoxygenase?
	20	Liu, Cheng	15-Lipoxygenase promoter regulation
	20	Katryniok, Careen	Epigenetic aspects of 5-lipoxygenase transcription
	20	Stoffers, Kirsten	The regulation of 5-lipoxygenase gene expression by TGF β and 1,25-dihydroxyvitamin D ₃
10:30 – 10:50			Coffee break
10:50 – 11:50	20	Esser, Julia	Role of Trp residues in the C2 like domain of 5-lipoxygenase on activation by CLP and PC
	20	Häfner, Ann-Kathrin	Dimerization of 5-lipoxygenase?
	20	Michel, Angela	5-lipoxygenase and low-molecular-weight ligands
12:00			Lunch at Kirchenwirt
15:00 – 16:35	20	Hofmann, Bettina	Novel 5-lipoxygenase inhibitors and 5-lipoxygenase protein-protein interactions
	35	Jakobsson, Per-Johan	mPGES1 - an overview
	20	Korotkova, Marina	mPGES1 and rheumatic diseases (tentative)
	20	Wobst, Ivonne	Influence of methylcelecoxib on the PGE ₂ -pathway

Project discussions

	Student	thesis committee
17:00 – 17:30	Katryniok, Careen	Steinhilber, Rådmark, Sorg
	Wobst, Ivonne	Grösch, Jakobsson
18:30	Dinner at Puttererseehof	

Monday, Sept 3

Time	(min)		Title
9:00 – 10:20	35	DiGennaro, Antonio	Arachidonic acid metabolism in human abdominal aortic aneurysm
	25	Wan, Min	Interaction between leukotriene B ₄ and the host defense peptide LL-37 in human neutrophils
	20	Georghe, Karina	Prostaglandin D ₂ pathway in arthritis
10:20 – 10:45		Coffee break	
10:45 – 11:45	20	Hoffmann, Marika	Calcium-independent regulation of cytosolic phospholipase A ₂ by hyperforin
	20	Greening, Anna	Effect of cannabinoids on eicosanoid synthesizing enzymes
	20	Schwalm, Stephanie	New aspects of sphingolipids
12:00		Lunch at Kirchenwirt	
13:00 – 18:00		Rafting	
18:00		Berbecue Party	at Puttererschlossl or Lake Putterer

Tuesday, Sept 4

Time	(min)		Title
9:00 – 10:45	35	Dötsch, Volker	Structural investigations of mPGS ₁ and other membrane proteins
	35	Fleming, Ingrid	Just why is the cytochrome P450 system so important in the vasculature and how can novel translational approaches highlight this
	35	Fisslthaler, Beate	The role of epoxyeicosatrienoic acids in hypoxia-induced pulmonary vasoconstriction.
10:45 – 11:00		Coffee break	
11:00 – 12:20	20	Ståhl, Sara	Phosphoproteomics
	20	Rupp, Matthias	Virtual screening for novel ligands
	20	Leclerc, Patrick	The air pouch model and prostaglandins
	20	Hidalgo, Alicia	Rapid amplification of 5' complementary DNA ends (5' RACE)
12:30		Lunch at Kirchenwirt	
15:00 – 16:55	35	Rådmark, Olof	Lipoxygenases and cancer (overview)
	20	Strååt, Klas	Human CMV infection induces 5-lipoxygenase expression and leukotriene B ₄ production in vascular smooth muscle cells
	20	Mashid, Yilmaz	Mantle cell lymphoma and leukotrienes
	20	Werno, Christian	Characterisation of tumor-associated macrophages in multicellular tumor spheroids
	20	Haas, Ulrike	Role of 12-lipoxygenase and LTA ₄ hydrolase in vertebrate biology and development: <i>Danio rerio</i> (Zebrafish) as model system
Project discussions		Student	thesis committee
17:00 – 17:30		Greening, Anna	Pfeilschifter, Steinhilber, Jakobsson
		Werno, Christian	Brüne, Fleming, Rådmark
17:30 – 18:00		Schwalm, Stephanie	Pfeilschifter, Steinhilber
18:30		Dinner at Puttererseehof	

Wednesday, Sept 5

Time	(min)		Title
9:00 – 10:10	35	Funk, Colin	Cysteinyl leukotriene receptors
	35	Patrignani, Paola	Biochemistry, biology and pharmacology of cyclooxygenases
10:10 – 10:30		Coffee break	
10:30 – 11:05	35	Haeggström, Jesper	Recent developments in eicosanoid enzyme studies
11:15		Lunch at Kirchenwirt	
12:00		Departure	