IZN Retreat - Kloster Schöntal

July 14 - July 15, 2019

"Genetics of neurological diseases: From mutations to personalized medicine "

- IZN

Programme

Sunday, July 14

Welcome Reception	10.00			
Session 1 Chair: NN	10:30	Hilmar Bading Managing Director IZN Heidelberg	Welcome address	
	10:45	Christian Schaaf Heidelberg University Hospital Institute of Human Genetics	"Disease gene discovery using exome sequencing – how to find patient no. 1"	
	11:30	David Jones German Cancer Research Center, Heidelberg	"Personalized medicine approaches for pediatric brain tumors"	
Lunch	12:15			
	Free time: Canoeing (meet at 13.15), <i>walk'n'talk</i> or <i>guided tour</i> through the monastery (meet at 14.00)			
Dinner	18:00			
Session 2 Chair <i>:</i> NN	19:30	Lars Steinmetz Stanford University, USA and EMBL, Heidelberg	"Developing technology for the future of precision health: meeting the needs of a changing medical landscape"	
	20:30	Posters and Drinks, Rooms 203 + 204 and hallway		

Monday, July 15

Breakfast	8.00		
Session 3 Chair: NN		New Members of the IZN – who is who?	
	9:00	Alexander Groh Institute of Physiology and Pathophysiology, Heidelberg	"Synaptic interactions in the thalamocortical system during sensory processing and behavior"
	9:30	Moritz Mall Hector Institute for Translational Brain Research German Cancer Research Center, Heidelberg	"Cell fate engineering to model neuronal development and disease"
	10:00	Lucas Schirmer Department of Neurology Medical Faculty Mannheim	"Neuron subtype vulnerability and glial reactivity in multiple sclerosis"
Coffee	10:30		
Session 4 Chair: NN	10:50	Gudrun Rappold Institute of Human Genetics, University of Heidelberg	"From genes to neurodevelopmental disease"
	11:35	Amit Zeisel Technion – Israel Institute of Technology, Haifa, Israel	"Molecular architecture of the mouse nervous system"
	12:20	IZN Pre-/Postdoc Meeting	Festsaal
		IZN Investigator Meeting	Room 219
Lunch	13:00		1
Session 5 Chair: NN	14:30	Paul M. Matthews Imperial College London, UK	"Integrating 'omics of single cells to define causal mechanisms in neurological disease"
Session 6 Chair: NN	15:15	3 Selected Presentations of IZN PhD students	
		Bahar Aksan	"The balance between structural maintenance and plasticity in neurons"
		Shehabeldin Elzoheiry	"Mild metabolic stress disturbs formation of neuronal ensembles during gamma oscillations"
		Marco Siekmann	"Organoid-assemblies of different brain identities to model cortical development and neuropsychiatric diseases"
Coffee	16:00		
Session 7	16:30	Award Ceremony	 PhD-Poster Prize Foundation BrainAid IZN Master's Award 2019 IZN / Chica and Heinz Schaller Young Investigator Neuroscience Award
	17:00	End of the Retreat	