



## Summerschool on „Omics and Quantitative Biology“ from August 2 - August 4, 2017

### August 2, 2017

	12:00 - 13:00	Lunch (Registration until noon)	<b>Chairperson</b>
	13:00 - 13:15	Welcome and Introduction <i>Ekkehard Neuhaus</i>	
	13:15 - 14:45	Poster Session, “Setting the Scene”	
	14:45 - 15:30	<b>Andrea Bräutigam (Bielefeld)</b> <i>Beyond the large table – biological interpretation of system’s level transcriptomics data</i>	Dominique Sydow
	15:30 – 16:00	Coffee Break	
	16:00 - 16:45	<b>Uwe Ohler (Berlin)</b> <i>Computational and genomics approaches for understanding post-transcriptional gene regulation</i>	Raphael Trösch
	16:45 - 17:30	<b>Michael Schroda (Kaiserslautern)</b> <i>Introduction to mass spectrometry-based quantitative proteomics</i>	
	17:30 - 18:30	Dinner	
	18:30 - 19:15	<b>Timo Mühlhaus (Kaiserslautern)</b> <i>MS-based proteomics: Discovery of interaction, regulation and temporal dependencies</i>	Miriam Schulz-Raffelt
	19:15 - open end	Get Together in Vine Cellar	

**August 3, 2017**

	9:00 - 9:45	<b>Katja Bärenfaller (Zurich)</b> <i>Gene expression regulation from a protein point of view</i>	David Zimmer
	9:45 - 10:30	<b>Alix Boulouis (Paris)</b> <i>A kinetic redox proteomics study on a non-model organism: the mountain giving birth to a mouse?</i>	
	10:30 - 10:45	Coffee Break	
	10:45 - 11:30	<b>Martin Lehmann (Munich)</b> <i>MSBioLMU – Metabolomics Core Facility</i>	Jelena Cvetkovic
	11:30 - 12:15	<b>Björn Usadel (Aachen)</b> <i>MapMan X4 - more resolution to reach biological conclusions</i>	
	12:15 - 13:30	Lunch	
	13:30 - 14:15	<b>Thomas Nägele (Vienna)</b> <i>Functional integration of experimental high-throughput data: connecting 'omics' results to biochemistry</i>	Ina Thor-mählen
	14:15 - 15:00	<b>Frank Van Breusegem (Gent)</b> <i>Oxidative stress signaling: Omics-driven discovery approaches</i>	
	15:00 - 15:15	Coffee	
Group work	15:15 - 15:30	Group Formation and Assignment of Group Work	
	15:30 - 16:15	Task: Use of 'omics' and large scale data analysis for selected projects with +/- relevance for T-SFB 175	
	16:15 - 17:45	Preparation time Project Planning	
	17:45 - 18:45	Dinner	
	18:45 - 20:30	Preparation time for Project Presentations, if required	

**August 4, 2017**

Project Presentations	9:00 - 9:20	Project group 1 Presentation and Discussion
	9:20 - 09:40	Project group 2 Presentation and Discussion
	09:40 - 10:00	Project group 3 Presentation and Discussion
	10:00 - 10:20	Project group 4 Presentation and Discussion
	10:20 - 10:55	Coffee
	10:55 - 11:15	Project group 5 Presentation and Discussion
	11:15 - 11:35	Project group 6 Presentation and Discussion
	11:35 - 11:55	Project group 7 Presentation and Discussion
	11:55 - 12:15	Project group 8 Presentation and Discussion
	12:15 - 12:30	Conclusion and Farewell
	12:30 - 13:30	Lunch & Departure