



SFB 680

**Molecular Basis of
Evolutionary Innovations**

Molekulare Grundlagen evolutionärer Innovationen

SFB 680 / 17. Seminar Day

'Adaptation in natural populations: tools and mechanisms'

Tuesday, May 31 , 2011

TIME		
15:00 – 15:20	Coffee and refreshments	
15:20 – 16:10	Luc De Meester	Life in a mosaic of stressors: an evolving metacommunity approach
16:10 – 17:00	Ellen Decaestecker	The Red Queen in action in <i>Daphnia</i> -parasite interactions
17:00 – 17:30	<i>Coffee break</i>	
17:30 – 18:20	Anke Schwarzenberger	Seasonal and local adaptation of <i>Daphnia magna</i> to cyanobacterial protease inhibitors? – Comparison of three natural populations.
18:20 – 18:40	Christian Küster	High Resolution Melting Analysis (HRMA) – A powerful and cost effective tool for large scale genotyping projects
18:40 – 19:00	Christoph Effertz	Relative expression of actine genes in <i>D. magna</i> – Possible targets for fish kairomones?
19:00 – 19:20	Patrick Fink	Variation in gene expression in <i>Daphnia pulex</i> - a key to understand competition for essential fatty acids
20:00	<i>Dinner</i>	

VENUE: Institute of Genetics, Zülpicher Str. 47a, 4th floor, Lecture Hall

Wednesday, June 01, 2011

TIME		
09:00 - 09:50	Andrew Beckerman	Phenotypic plasticity, local adaptation and high dimension phenotypes
09:50 - 10:40	Luisa Orsini	Approaches and molecular tools to study adaptation in natural populations
10:40 - 11:00	<i>Coffee Break</i>	
11:00 – 11:20	Veerle Lemaire	Genotype-genotype dependent interactions between the cyanobacterium <i>Microcystis</i> and its grazer, the waterflea of the genus <i>Daphnia</i>
11:20 – 12:10	Lutz Becks	Adaptation and the evolution of sex in facultative sexual rotifers

VENUE: Biocenter, Zülpicher Str. 47b, Lecture Hall 0.024