



# SFB 680

## Molecular Basis of Evolutionary Innovations

Molekulare Grundlagen evolutionärer Innovationen

**SFB 680 / 15. Seminar Day**

### Epigenetics and Evolution

**Wednesday, January 26 , 2011**

TIME		
15:00 – 15:20	Coffee and refreshments	
15:20 - 15:40	Juliette de Meaux University of Münster	Epigenetics and Evolution I: The experimental perspective
15:40 - 16:00	Thomas Wiehe University of Cologne	Epigenetics and Evolution II: The theoretical perspective
16:00 - 16:30	Filippos Klironomos University of Cologne	Adaptation using multiple mutation systems: Survival of the slowest
16:30 – 17:00	<i>Break</i>	
17:00 – 17:50	Matteo Pellegrini University of California Los Angeles	DNA methylation Profiling using Illumina Sequencers
17:50 - 18:40	Oliver Bossdorf University of Bern	Asking epigenetic questions in plant evolutionary ecology
19:00	<i>Dinner</i>	

**VENUE: Institute of Genetics, Zülpicher Str. 47a, 4<sup>th</sup> floor, Lecture Hall**

**Thursday, January 27, 2011**

TIME		
09:00 - 09:50	Franziska Turk MPI for Plant Breeding Research, Cologne	Aspects of Polycomb Group mediated gene repression in plants
09:50 - 10:40	Christoph Grunau University of Perpignan	A possible role for epigenetics in the induction of phenotypic variability
10:40 - 11:10	<i>Coffee Break</i>	
11:10 - 12:00	Jan-Willem Veening University of Groningen	Stochastic and systematic variability as a source of heterogeneity in <i>Bacillus subtilis</i> spore formation
12:00 - 12:50	Ales Pecinka MPI for Plant Breeding Research, Cologne	Epigenetic regulation of repetitive elements and genetic stability are attenuated by prolonged heat stress in <i>Arabidopsis thaliana</i>
13:00	<i>Lunch</i>	

**VENUE: Institute for Theoretical Physics, Zülpicher Str. 77, Seminar Room**