



DFG SPP1819 - Rapid evolutionary adaptation: Potential and constraints

1st Annual Meeting, 4 - 6 April 2016

Program

Version: 15 March 2016

Day 1: Monday, 4 April 2016		
12:00		<i>Lunch at meeting venue</i>
13:00		Karl Schmid (U Hohenheim) <i>Welcome, Overview of SPP</i>
13:30	Project 1	Wolfgang Stephan, Bjarki Eldon (Museum of Natural History Berlin) <i>Modeling and inference of genomic signatures of polygenic selection driving fast adaptation</i>
14:00	Project 6	Santiago Sanchez-Ramirez (MPI of Evolutionary Biology Plön) <i>The role of recombination in rapid adaptive evolution of fungal plant pathogens: A comparative population genomics study</i>
14:30		<i>Coffee Break</i>
15:00	Project 7	Ralph Panstruga (RWTH Aachen) <i>Genomic variations underlying the rapid evolutionary adaptation of phytopathogenic powdery mildew fungi to highly selective plant environments</i>
15:30	Project 8	Karl Schmid (U Hohenheim) <i>Experimental evolution of the co-adaptation of maize and its pathogen Exserohilum turcicum</i>
16:00	Project 9	Laura Rose (U Düsseldorf) <i>Interplay of pathogens, microRNAs, and regulation of resistance gene transcript abundance for rapid evolutionary responses in plants</i>
16:30		<i>Break</i>
17:00	Project 13	Hanna Märkle (TU Munich) <i>Coevolution in action in host and parasite genomes</i>
17:30	Project 20	Lutz Becks (MPI of Evolutionary Biology Plön), Philine Feulner (EAWAG Switzerland) <i>Host virus coevolution - Demography versus selection</i>
18:00	Project 21	Jan Schirawski (RWTH Aachen) <i>How can a smut fungus switch hosts? Comparative mechanistic elucidation of adaptation of Sporisorium reilianum to its host plants maize and sorghum</i>
18:30		<i>Dinner at meeting venue</i>
20:00		Social Event: <i>Get together at Café Denkbar, Hohenheim</i>

Day 2: Tuesday, 5 April 2016

09:00	Project 2	Markus Pfenninger (U Frankfurt) <i>Rapid seasonal thermal adaptation in Chironomus riparius</i>
09:30	Project 3	Mark van Kleunen (U Konstanz), Jasmin Joshi (U Potsdam) <i>The role of epigenetic inheritance in rapid evolutionary adaptation of invasive plants</i>
10:00		<i>Coffee Break</i>
10:30	Project 5	John Parsch (LMU Munich) <i>Rapid evolution of gene regulation</i>
11:00	Project 11	Zoran Nikoloski (MPI of Plant Physiology Potsdam) <i>Rapid plant evolution driven by multi-trait plasticity and trade-offs</i>
11:30	Project 12	Lara Syllwasschy (U Bochum) <i>Rapid evolution of plant tolerance to anthropogenic copper pollution</i>
12:00		<i>Lunch at meeting venue</i>
13:00	Project 16	Axel Meyer (U Konstanz) <i>The molecular basis of phenotypic plasticity and genetic assimilation in rapidly evolving lineages of East African cichlid fishes</i>
13:30	Project 17	Ralph Tiedemann (U Potsdam) <i>Alien gene introgression promotes rapid adaptation - an unconscious experiment on Fire-bellied toad (<i>Bombina orientalis</i>) at the northern edge of its distribution range</i>
14:00		Social Event: <i>Guided tour, Hohenheim gardens</i>
15:30		<i>Coffee Break</i>
16:00		Karl Schmid (U Hohenheim) <i>General topics, promoting women and junior scientists, workshops</i>
17:30		Bianca Regenbogen (U Hohenheim) <i>Training module on reproducible research</i>
18:00		<i>Dinner at meeting venue</i>

Day 3: Wednesday, 6 April 2016

09:00	Project 18	Tal Dagan (U Kiel) <i>The contribution of vesicle-mediated DNA transfer to rapid adaptation</i>
09:30	Project 19	Carolin Wendling (GEOMAR Kiel) <i>Implications of anthropogenic stressors on rapid coadaptation in a tripartite species interaction</i>
10:00		<i>Coffee Break</i>
10:30	Project 4	Hinrich Schulenburg (U Kiel) <i>Population genomics of antibiotic resistance evolution</i>
11:00	Project 10	Thomas Wiehe (U Cologne) <i>Adaptive evolution of immune gene families: Origin, diversification and diversity of the NLR genes in zebrafish</i>

11:30	Project 15	Joachim Kurtz (U Münster) <i>The role of phenotypic plasticity for rapid evolutionary adaptation: Theoretical and experimental approaches using Tribolium castaneum and Bacillus thuringiensis</i>
12:00		<i>Lunch at meeting venue</i>
13:00		Steering committee meeting

Presentation slides

It is sufficient if you bring your presentation on a USB stick to the meeting venue, but you are welcome to email the presentation ahead of time until Monday, 4 April 12:00 to bianca.regenbogen@uni-hohenheim.de.

Directions

Hohenheim is located at the Southern edge of the city of Stuttgart, close to the airport and the motorway A8. Please visit this website for directions to Hohenheim: www.uni-hohenheim.de.

If you travel by car, take into account some extra time because traffic jams are quite frequent on the motorways around Stuttgart.

The VVS Stuttgart (www.vvs.de) has a very good smartphone app for traveling with the public transport system. However, we provide some suggestions, how to get to the hotels and meeting venue (see below).

Christkönigshaus (meeting venue), Paracelsusstraße 89, D-70599 Stuttgart

If you arrive by **train**, it is easiest if you take subway line U7 (Direction: Ostfildern) and change to bus line 70 to (Seemühlenweg or Plieningen Garbe) until bus stop Plieningen Garbe.

If you arrive by **plane**, take the bus 79 to bus stop Plieningen. Alternatively, take a taxi (17 Euro).

Star Inn Hotel Stuttgart Airport-Messe, In den Entenäckern 6, D-70599 Stuttgart

If you arrive by train at Stuttgart **main station**: Take subway U12 (Möhringen), at Degerloch switch to bus line 76 (Echterdingen) and go until In den Entenäckern.

From Stuttgart **airport**, you can take bus line 79 (Plieningen) to bus stop Bernhäuser Straße.

To get from the hotel to the meeting venue, take bus 74/76 (Degerloch ZOB) at In den Entenäckern to Plieningen Garbe.

Vice Versa: Take bus 74 (Nürtingen ZOB) or 76 (Echterdingen) at Plieningen Garbe to bus stop In den Entenäckern.



Contact information

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