Scientific Programme

Monday • 31 March 2014

13.00 - 15.00	Registration & Poster Mounting
15.00 - 15.05	Opening Remarks
15.05 - 16.15	Session 1: Mating, Reproductive Barriers and Speciation
15.05 - 15.40	 Chair: Ute Krämer Speciation in Boechera (p. 15) Tom Mitchell-Olds
15.40 - 16-15	 Birth, death and re-birth: a story with twists and turns for the evolution of self-incompatibility in the Brassicaceae (p. 16) Xavier Vekemans
16.15 - 16.45	Coffee Break
16.45 - 18.00	Session 1: Mating, Reproductive Barriers and Speciation
	Chair: Ute Krämer
16.45 - 17.20	 Meiotic Adaptation to Whole Genome Duplication in Arabidopsis arenosa (p. 17) Kirsten Bomblies
17.20 - 17.40	 Transcriptome and the evolution of self-compatibility of Arabidopsis kamchatica, the allopolyploid derived from A. lyrata and A. halleri (p. 18) Ken Shimizu
17.40 - 18.00	 The footprint of mating system shift in the genus Capsella (p.19) Daniel Koenig
18.00	Dinner
19.45 - 21.15	Poster Session I (p.54)

Tuesday • 1 April 2014

9.00 - 10.45	Session 2: Genomic and Epigenetic Variation
	Chair: Renate Schmidt
9.00 - 9.35	 Polyploid origins and the efficacy of selection in Capsella
	<i>bursa-pastoris</i> (p.20)
	Stephen Wright

9.35 - 10.10	 Is maize genome size flexibility an important contributor of its evolutionary history? (p.21) Maud Tenaillon
10.10 - 10.25	 Recent progress in whole-genome assemblies of Brassicaceae species (p. 22) Dino Jolic
10.25 - 10.45	 Comparative analysis of transposable element silencing in Arabidopsis lyrata and Arabidopsis thaliana (p.23) Ales Pecinka
10.45 - 11.15	Coffee Break
11.15 - 13.00	Session 2: Genomic and Epigenetic Variation
	Chair: Renate Schmidt
11.15 - 11.50	 The function and evolution of DNA methylation in plants (p.24) Brandon Gaut
11.50 - 12.25	 Origin and consequences of genetic and epigenetic variation in Arabidopsis thaliana and its relatives (p. 25) Detlef Weigel
12.25 - 13.00	 Natural epigenetic quantitative trait loci in Arabidopsis (p. 26) Frank Johannes
13.00 - 14.30	Lunch
14.30 - 15.40	Session 3: Adaptation to Abiotic Factors and Life History Traits
	Chair: Klaus Harter
14.30 - 15.05	 Phenological cuing: How it influences selection, genetic effects, and phenotypic expression across the life cycle (p.27) Kathleen Donohue
15.05 - 15.40	 Life history evolution within the Brassicaceae (p. 28) Maria Albani
15.40 - 16.00	Coffee Break
16.00 - 17.15	Poster Session II (p. 54)
17.15 - 18.10	Session 3: Adaptation to Abiotic Factors and Life History Traits
	Chair: Klaus Harter
17.15 - 17.50	 Chair: Klaus Harter Effect of mating systems on adaptation and persistence in changing environments: theoretical predictions (p. 29) Ophélie Ronce
17.15 - 17.50 17.50 - 18.10	• Effect of mating systems on adaptation and persistence in chan- ging environments: theoretical predictions (p.29)

19.45 - 21.15	Session 3: Adaptation to Abiotic Factors and Life History Traits
	Chair: Klaus Harter
19.45 - 20.20	 Can plants adapt to climate change? (p.31) Katja Tielbörger
20.20 - 20.55	 Comparative transcriptome atlases reveal altered gene expressi- on modules between closely related dicotyledon C3 and C4 plant species (p.32) Andreas Weber
20.55 - 21.15	 The Rorippa genus of the Brassicaceae family provides an interesting model system for research on flooding and low-oxygen stress (p. 33) Angelika Mustroph

Wednesday • 2 April 2014

9.00 - 10.45	Session 3: Adaptation to Abiotic Factors and Life History Traits
	Chair: Andrew Hudson
9.00 - 9.35	 Genetic Analysis of Parallel Local Adaptation to Serpentine and Mine Soils in Mimulus (p. 34) John Willis
9.35 - 9.55	 Metal hyperaccumulation and hypertolerance in Arabidopsis halleri (p.35) Ricardo Stein
	Session 4: Functions of Alleles Underlying Plant Adaptations
	Chair: Andrew Hudson
9.55 - 10.30	 The evolution of petal cellular differentiation and pollinator attraction (p.36) Beverly Glover
10.30 - 10.45	 Molecular-genetic analysis of trade offs between vegetative growth and flowering in natural populations of perennial Arabis alpina (p.37) Stefan Wötzel
10.45 - 11.15	Coffee Break
11.15 - 12.45	Session 4: Functions of Alleles Underlying Plant Adaptations
11.15 - 11.50	 Chair: Andrew Hudson Analysis of cis-regulatory divergence in the Arabidopsis genus (p. 38) Juliette de Meaux

11.50 - 12.05	 Comparative expression analysis of B_{sister} genes in Brassicaceae sensu lato reveals that the evolution of B_{sister} gene regulation moves along the fast lane (p.39) Amey Bhide
12.05 - 12.25	 GORDITA-like developmental control genes evolve in Brassicace- ae under relaxed purifying selection in a twilight zone of non-, sub- and neo-functionalization (p. 40) Andrea Hoffmeier
12.25 - 12.45	 Evolution of the selfing syndrome in the genus Capsella (p.41) Adrien Sicard
12.45 - 13.00	Conference Photo
13.00 - 14.15	Lunch
14.15 - 16.05	Session 5: Population Genetics and Evolutionary Ecology
	Chair: Juliette de Meaux
14.15 - 14.50	 DNA methylation variation in Arabidopsis has a genetic basis and appears to be involved in local adaptation (p.42) Magnus Nordborg
14.50 - 15.25	 Evolutionary genomics of wild tomatoes (p.43) Laura Rose
15.25 - 15.45	 Invasive success and the evolution of enhanced weaponry (p. 44) Michal Gruntman
15.45 - 16.05	 Differentiation and adaptation in the range expanding invasive plant Rorippa austriaca (p.45) Mirka Macel
16.05 - 16.30	Coffee Break
16.30 - 18.20	Session 5: Population Genetics and Evolutionary Ecology
	Chair: Juliette de Meaux
16.30 - 17.05	 Natural selection on photoperiodic reactions in Arabidopsis lyrata (p.46) Outi Savolainen
17.05 - 17.40	 Edaphic adaptation in Arabidopsis: A genomic perspective on the calcicole-calcifuge problem (p. 47) Alex Widmer
17.40 - 18.00	 Population and Adaptive History of Arabidopsis in the Cape Ver- de Islands (p. 48) Angela Hancock

18.00 - 18.20	 Arabidopsis phylogenomics – the first deep insight (p. 49)
	Polina Novikova

19.30Conference Dinner

Thursday • 3 April 2014

9.30 - 10.40	Session 6: Between-Organism Interactions
9.30 - 10.05	 Chair: Eric Schranz Ecology of insect-plant interactions: from genes to community
	(p.50) Marcel Dicke
10.05 - 10.40	 Specificity of metabolic plant responses to environmental chal- lenges and consequences on herbivores (p.51) Caroline Müller
10.40 - 11.10	Coffee Break
11.10 - 12.20	Session 6: Between-Organism Interactionsns
	Chair: Eric Schranz
11.10 - 11.45	 A tale of MADS, RADs and hungry insects (p. 52) Saskia Hogenhout
11.45 - 12.20	 Ecological genomics of biotic interactions in Arabidopsis thaliana: cases of plant-pathogen and plant-plant interactions (p.53) Fabrice Roux
12.20	Closing Remarks
12.30	Lunch (or packed lunch to take)
	END OF MEETING