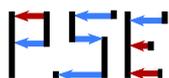




**PROGRAMME**

**THURSDAY, SEPTEMBER 03**

<b>WELCOME AND OVERVIEW</b>	
10:00 – 10:05	<i>Frank Kiefer, DFG</i> Welcome
10:05 – 10:30	<i>Ellen Baake, Bielefeld</i> [BA 2469/8-2] Probabilistic structures in evolution: Overview of programme, and coordinator’s project
<b>LANDSCAPES, FORWARD PROCESSES, GAME THEORY, AND ADAPTIVE DYNAMICS</b>	
Chair: Anton Wakolbinger	
10:30 – 10:45	<i>Tat Dat Tran, Leipzig</i> [TR 1395/1-1] Information geometry in population genetics
10:45 – 11:00	<i>Peter Stadler, Leipzig</i> [STA 850/14-2] The many facets of fitness landscapes: Ruggedness and neutrality in ensembles of landscapes
11:00 – 11:15	<i>Joachim Krug, Köln</i> [KR 1123/4-2], [BO 962/7-2] Fitness landscapes and adaptive dynamics
11:15 – 11:30	<i>Alexandre Courtiol, Berlin</i> [CO 1556/1-1] S.P.E.C.I.E.S., Stochastic processes and the evolution of ChoosInESs
11:30 – 11:45	<i>Martin Hutzenthaler, Essen</i> [HU 1889/3-2], [ME 3134/6-2] Evolution of altruistic defense traits in structured populations
11:45 – 12:00	<i>Kristan Schneider, Mittweida</i> [SCHN 1480/1-1] Evolutionary dynamics of anti-malarial drug resistance - a data driven population-genetic approach
12:00 – 12:15	<i>Wolfgang Stephan, Berlin</i> [STE 325/14-2], [TE 809/6-2] Recurrent selective sweeps versus trench warfare in host-parasite coevolution: The influence of population size changes
12:15 – 12:30	<i>Wolfgang König, Berlin</i> [KO 2205/11-2] Branching random walks in random environment and their applications to population genetics
12:30 – 13:30	Lunch Break, Cafeteria



## BRANCHING, LAMBDA-, AND STRUCTURED COALESCENTS

Chair: Andreas Greven

13:30 – 13:45	<i>Marcel Ortgiese, Münster</i> Interfaces in spatial population dynamics	[OR 310/1-1]
13:45 – 14:00	<i>Achim Klenke, Mainz</i> Genealogical aspects of symbiotic and mutually catalytic branching processes	[KL 1106/5-2]
14:00 – 14:15	<i>Matthias Birkner, Mainz</i> Ancestral lineages and long-time behaviour of population models with interactions	[BI 1058/3-2], [GA 582/7-2]
14:15 – 14:30	<i>Anja Sturm, Göttingen</i> Genealogies of populations with competition and large variation in the offspring distribution in multi locus and spatially structured settings	[STU 527/1-2]
14:30 – 14:45	<i>Jochen Blath, Berlin</i> Genealogies and inference for populations with highly skewed offspring distributions under further evolutionary forces	[BL 1105/3-2], [BI 1058/2-2]
14:45 – 15:00	<i>Fabian Freund, Hohenheim</i> Multiple-merger coalescents - suitable models for gene genealogies in real populations?	[FR 3633/2-1]
15:00 – 15:15	<i>Götz Kersting, Frankfurt</i> Evolving coalescents	[KE 376/8-2], [WA 967/5-2]
15:15 – 15:30	<i>Noemi Kurt, Berlin</i> The role of dormancy in population genetics	[KU 2886/1-1], [BL 1105/5-1]

15:30 – 16:00	Coffee Break, Cafeteria
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from 16:00	<i>Afternoon excursion: Sparrenburg Castle</i> See additional information sheet
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**FRIDAY, SEPTEMBER 04**

**RANDOM TREES AND ANCESTRAL GRAPHS**

Chair: Anton Bovier

09:00 – 09:15	<i>Thomas Wiehe, Köln</i> Combinatoric and probabilistic properties regarding the topology of genealogical trees and application in population genetics and molecular evolution	[WI 3081/4-2]
09:15 – 09:30	<i>Anita Winter, Essen</i> Evolving pathogen phylogenies: a two-level branching approach	[WI 2075/2-2]
09:30 – 09:45	<i>Martin Hutzenthaler, Duisburg and Peter Pfaffelhuber, Freiburg</i> The effect of natural selection on genealogies	[HU 1889/4-1], [PF 672/8-1]
09:45 – 10:00	<i>Andreas Greven, Erlangen</i> Stochastic evolution under selection, rare mutation and recombination: From configurations to genealogical structures and back	[GR 876/16-2]
10:00 – 10:15	<i>Anton Wakolbinger, Frankfurt</i> Lines of descent under selection	[WA 967/4-2], [BA 2469/5-2]
10:15 – 10:30	<i>Peter Pfaffelhuber, Freiburg</i> The population genetics of the CRISPR-Cas system in bacteria	[PF 672/9-1], [BA 2168/13-1]
10:30 – 10:45	<i>Julien Dutheil, Plön</i> Accounting for spatial heterogeneity of parameters in the sequentially Markov coalescent process	[DU 1580/1-1]
10:45 – 11:00	<i>Ellen Baake, Bielefeld</i> Recombination processes and ancestral partitioning	[BA 2469/7-2], [BA 1070/12-2]
11:00 – 12:00	Coffee Break, Cafeteria	