

# 2014 Colloquium of the DFG Priority Programme SPP 1590 Probabilistic Structures in Evolution

Department Mathematik, Cauerstraße 11, H13, 91058 Erlangen

22.09.-  
24.09.2014

## Monday, Sept. 22, 2014

13:00-13:45 Registration

13:45-14:00 Opening

14:00-15:00 Ellen Baake and Ute Lenz  
Ancestral selection graph meets lookdown construction

15:00-15:45 Michael Baake  
The solution of the recombination equation with arbitrary partitioning in continuous time

15:45-15:15 Andrej Depperschmidt  
Evolution of the infinite population coalescent tree due to recombination

16:15-16:45 Coffee Break

16:45-17:15 Jochen Blath  
Seed-bank coalescent

17:15-17:45 Bjarki Eldon  
Inference for multiple-merger coalescent processes

17:45-18:30 Marion Hesse  
Asymptotic growth of a branching random walk in a random environment on the hypercube  
(joint work with Onur Gün and Luca Avena)

18:30-19:00 Sebastian Steiber  
Coalescing random walks on the backbone of an oriented percolation cluster

19:00 Buffet

## Tuesday, Sept. 23, 2014

09:30-10:30 Arne Traulsen  
Stochastic models in evolutionary game dynamics

10:30-11:00 Johannes Neidhart  
The transitory advantage of sex on the hypercube

11:00-11:30 Coffee Break

11:30-12:00 Stefan Nowak  
Adaptive walks on the NK landscape

12:00-12:30 Thomas Wiehe  
Subsampling and induced subtrees of coalescent trees

12:30-13:00 Johannes Wirtz  
Inference of super-tree properties from sub-tree properties

13:00-14:30 Lunch Break

14:30-15:30 Matthias Birkner  
Independent random walks with self-blocking immigration

15:30-16:15 Götz Kersting and Stefan Gufler  
Evolving coalescents

16:15-16:45 Coffee Break

16:45-17:45 Anton Bovier  
Some problems and surprises in stochastic adaptive dynamics

17:45-18:15 Rebecca Neukirch  
Survival of the recessive allele in the Mendelian Diploid Model

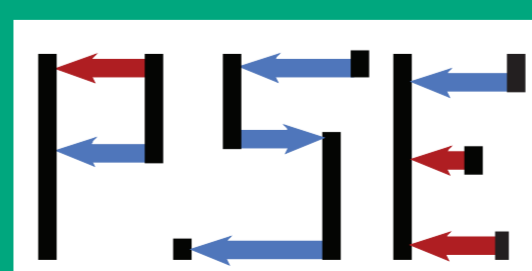
## Wednesday, Sept. 24, 2014

09:30-10:30 Etienne Pardoux  
Adaptation of a population to a moving environment through mutations

10:30-11:15 Wolfgang Löhner  
Existence of mark functions in marked metric measure spaces

11:15-11:30 Coffee Break

11:30-12:30 Anton Wakolbinger  
Genealogies under selection: fragments of a bigger picture



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