

Colloquium, Bielefeld University, Lecture Hall 2, October 4–6, 2022

## PROGRAMME

17:15 - 18:00

Frederic Alberti, Bielefeld

### TUESDAY, OCTOBER 4, 2022

13:30 - 13:55	Registration and welcome coffee in front of Lecture Hall 2 (H2)	
13:55 - 14:00	Opening	
14:00 - 15:00	Joe Wakano, Tokyo Genealogies and ages of cultural traits: An application of the theory of duality to the research on cultural evolution	
15:00 - 16:00	Felix Hermann, Frankfurt / András Tóbiás, Budapest Interacting Poissonian trajectories and clonal interference	
16:00 - 16:30	Coffee break	
16:30 - 17:15	Enrico Di Gaspero, Bielefeld Connecting sampling recursions with Fearnhead's recursions	

The general labelled partitioning process in action: recombination, selection, mutation, and more



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# WEDNESDAY, OCTOBER 5, 2022

10:00 - 10:45	Lisa Hartung, Mainz
	The speed of invasion in an advancing population
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10:45 - 11:15	Coffee break
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11:15 - 12:00	Moritz Otto, Cologne Evolution of tandem gene arrays driven by unequal recombination and the structured coalescent
12:00 - 12:45	Fabian Freund, Hohenheim $\Xi$ -n-coalescents as base models for genetic diversity – recent progress in statistical approaches and applications
12:45 - 14:15	Lunch break, Mensa, X-Building
14:15 - 15:00	Joachim Krug, Cologne Discrete and continuous geometry of fitness landscapes
15:00 - 15:45	Suman Das, Cologne Unpredictable repeatability in molecular evolution
15:45 - 16:15	Coffee break
16:15 - 17:00	Cornelia Pokalyuk, Frankfurt Infections spreading between cities
17:00 - 18:00	Tom Britton, Stockholm Stochastic epidemic models with population structure: some subjectively chosen problems
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## SPP 1590 PROBABILISTIC STRUCTURES IN EVOLUTION

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#### THURSDAY, OCTOBER 6

10:00 - 10:45	Michael Baake, Bielefeld The Markov embedding problem revisited
10:45 - 11:15	Coffee break
11:15 - 12:00	Manuel Esser, Bonn Metastability and multi-scale analysis of individual-based population models
12:00 - 12:45	Dirk Metzler, Munich Evolution of costly defence by long-term altruism or group selection