

Mini-Workshop

Genealogies of population models with competition

Thursday, 26th of June 2014

- 9:30 - 10:30 Registration with coffee
- 10:30 -11:30 **Sylvie Méléard**
“Stochastic Modeling of Darwinian Evolution in a Chemostat”
- 11:30-12:15 **Adrian Gonzalez Casanova**
“Weak mutation - strong selection model for experimental evolution”
- 12:15- 14:15 Lunch break / time for discussion
- 14:15-15:00 **Ute Lenz**
“A graphical derivation of the common ancestor’s type distribution in a simple model with selection”
- 15:00-15:45 **Fernando Cordero**
“Ancestral lines under selection: Central limit theorem and law of large numbers”
- 15:45-16:15 Coffee break
- 16:15-17:00 **Rebekka Brink-Spalink**
“Genealogy of multiple neutral loci under a selective sweep”
- 17:00-17:20 **Loren Coquille**
“Towards metastability in a model of population dynamics with competition”
- 17:20-17:40 **Rebecca Neukirch**
“Survival of the Recessive Allele in the Mendelian Diploid Model”
- 17:40-18:00 Time for discussion
- 18:00-20:00 Reception

Friday, 27th of June 2014

9:15 - 10:15 **Julien Berestycki**
"Populations with competition: genealogy and flows"

Series of talks: *"Genealogies of Logistic Branching Random Walk (LBRW)"*:

10:15 - 11:00 **Patric Glöde**
Part I: *"Total mass of LBRW and coding of its genealogies"*

11:00 - 11:30 Coffee break

11:30 - 12:15 **Andreas Greven**
Part II: *"Characterization and description of LBRW"*

12:15 - 14:15 Lunch break / time for discussion

14:15 - 15:00 **Thomas Rippl**
Part III:
"Branching trees and stable features of the genealogy of LBRW"

15:00-16:00 **Jan Swart**
"Cooperative branching"

16:00 Time for discussion