



Coalescent Processes in Biology

Monday, July 1, 2013

On July 1, 2013 a mini workshop on applications of coalescent processes is held at the Institute of Mathematics at the Irchel campus (room H28). The workshop is aimed to introduce mathematicians and biologists to the concept of coalescent processes in probability theory and to give an impression of possible applications in biology.

Only elementary background on probability theory is needed.

Everybody who is interested to learn about some applications of pure mathematics in more applied sciences is warmly invited to attend the workshop. No inscription is needed.

11.00-12.00 **Erich Baur (Uni Zürich)**

"An introduction to coalescent processes"

12.00-13.00 lunch break

13.00-14.00 **Bjarki Eldon (TU Berlin)**

"Multiple merger coalescent processes and inference"

14.00-15.00 **Aurélien Tellier (TU München)**

"Plant ecology influences population genetics: the role of seed banks in structuring genetic diversity"

15.00-15.30 coffee break

15.30-16.30 **Amaury Lambert (Collège de France & Paris 6)**

"Coalescent point processes and phylogenies"

16.30-17.30 **Tanja Stadler (ETH Zürich)**

"The coalescent in epidemiology: a success story and its limitations"

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www.math.uzh.ch/coalescent13