

Programme

Tuesday, 15th March

Adaptive genetic variation

10.00-10.15: Welcome and opening

10.15-11.15: Remy Petit (Bordeaux): Evolution in changing environments

11.15-11.30: Break

Omics technologies in ecological research

11.30-12.30: Tim Urich (Greifswald): Meta-Omics in environmental sciences - challenges and opportunities

12.30-14.00: Lunch Break

14.00-15.00: Christian Müller (Greifswald): Sequencing technologies

15.00-16.00: Martin Schnittler (Greifswald): Genotyping: neutral and adaptive markers

16.00-16.30: Coffee Break

16.30-18.00: Discussion: Using omics!?

Evening: Social event (bowling)

Wednesday, 16th March

Detecting genetic adaptation

09.00-09.15: Welcome and announcements

09.15-10.15: Claus Wedekind (Lausanne): Salmonids as model in evolutionary conservation biology: natural vs. artificial breeding, fishing-induced selection, rapid adaptation to pollution and climate change

10.15-11.15: Christian Schlötterer (Wien): Understanding the genomic response to a new thermal environment: evolve and resequence studies in *Drosophila*

11.15-11.30: Break

11.30-12.30: Olivier François (Grenoble): Detecting adaptive genetic variation by testing association between loci and ecological variables

12.30-14.00: Lunch Break



Heritability and quantitative genetics

14.00-15.00: Phillip Gienapp (Wageningen): Genetic adaptation to climate change: expectations, evidence and consequences

15.00-18.00: Phillip Gienapp (Wageningen): Exercise - estimating heritabilities using R

Evening: Social event (dinner)

Thursday, 17th March

Dynamics of rapid adaptation and niche evolution

09.00-09.15: Welcome and announcements

09.15-11.15: Katja Schiffers (BiK-F Frankfurt): Exercise - eco-evolutionary population modelling

11.15-11.30: Break

11.30-12.30: Katja Schiffers (BiK-F Frankfurt): Dispersal - a double-edged sword in genetic adaptation. Lessons from eco-evolutionary population modelling

12.30-14.00: Lunch Break

Handling omics data

14.00-15.00: Jörg Bernhardt (Greifswald): Visualisation of omics data

15.00-???: Excursion to the Peene River

Friday, 18th March

Young investigators' day

09.00-12.30: Presentations of participants