Schedule

Please note that **times are in the Estonian (Eastern European, GMT+2) time zone**.

Lectures and practicals will be delivered through **Microsoft Teams** - you have been added to the team "Welcome to Tartu Winter School on Evolution, Genomics and Medicine 2022". Please make sure that you can access this and notify us if you have any problems.

Day 1 (Monday 28/11): Natural selection inference
10:00 Introduction to the summer school
10:30 A primer in the theory and methods for inferring natural selection
12:30 Lunch break
13:30 Practical on evolutionary inference with Relate and Clues
17:00 End of day

Day 2 (Tuesday 29/11): Multi-ancestry GWAS
11:00 Q&A
12:00 Multi-ancestry GWAS lecture
14:15 Lunch break
15:00 Practical
18:15 End of day

Day 3 (Wednesday 30/11): Introgression from archaic humans and deep learning methods for evolutionary inference
10:00 Archaic admixture and its genomic implications lecture
11:00 Neandertal admixture and its phenotypic consequences lecture
12:00 Deep learning to study human evolution lecture
13:00 Lunch break
14:00 Deep learning tutorial
15:30 Neandertal admixture tutorial
17:00 End of day

Day 4 (Thursday 1/12): Evolution of complex traits
10:00 Q&A
11:00 Evolution of complex traits
12:00 Lunch break
13:00 Testing polygenic selection with PAML - method overview and practical
17:00 End of day

Day 5 (Friday 2/12): Epigenetics and cell-based functional assays
10:00 Q&A
11:00 Variant prioritization and fine-mapping
12:00 Functional dissection of genetic variation, lecture and practical session
13:30 End of summer school