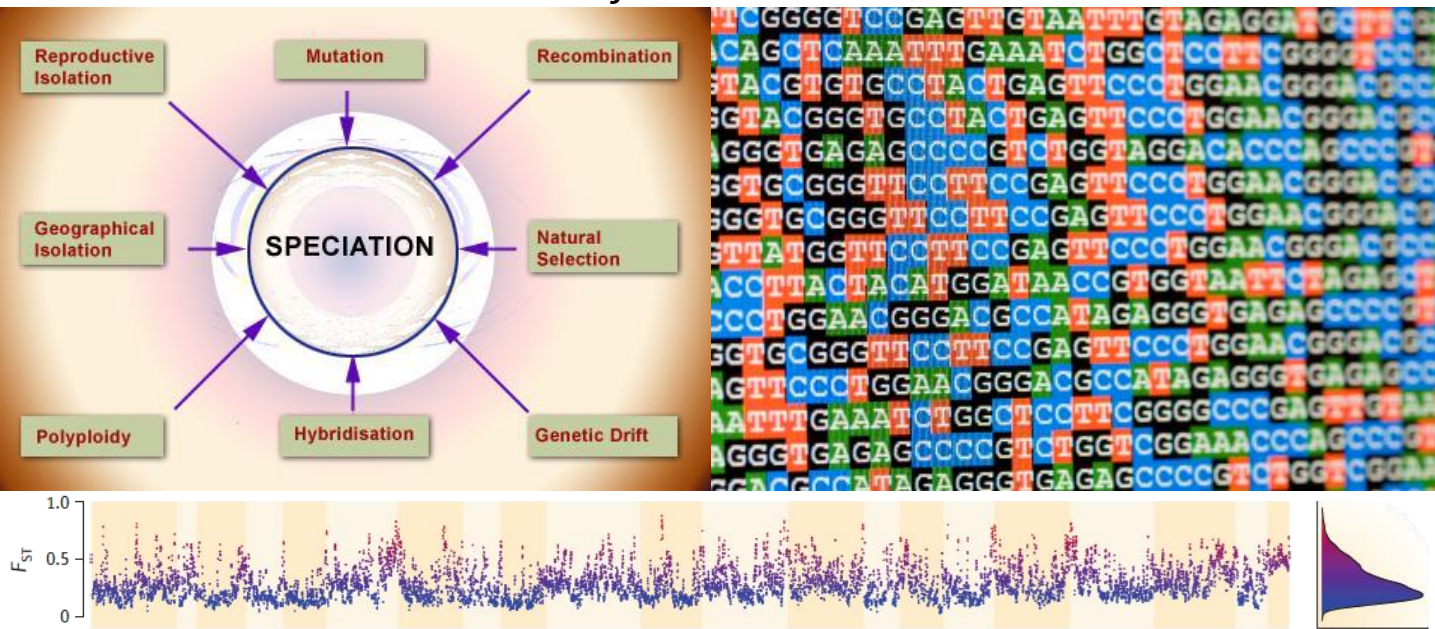


Genomics of adaptation and speciation

MB120P165, 4 credits, summer semester 2018/2019

*A new Master course joint between the Dept of Botany, Dept of Zoology
and Centre for Theoretical Studies*



How does a new species arise?

With the recent advances in -omics technologies and the ability to sequence complete genomes, characterize full transcriptomes or metabolomes, we have never been as close to the answer as now.

This course will cover up-to-date theoretical aspects of adaptation, speciation and hybridization barriers in animals and plants, as well as the modern approaches to address these questions. Students will have hands-on practical classes involving state-of-the-art genomic analyses applied to the topics of speciation and adaptation. To meet the demands of modern science, the course will be taught exclusively in English.

Teachers

Dept of Botany: Clément Lafon Placette, Filip Kolář, Roswitha Schmickl

Dept of Zoology: Radka Reifová

Centre for Theoretical Studies: Antonín Macháč

for any questions, contact Clément Lafon Placette, lafonplc@natur.cuni.cz