

Exploring rodent genomes to understand evolution

Understanding the origin of species diversity and their adaptation to a changing environment is one of the most intriguing questions in biology. Regardless the ongoing debate on species concepts, unlocking the genetic basis underlying speciation is of crucial importance for our understanding of biodiversity, especially in rodents. Rodentia represents the most diverse and species rich mammalian order with species that occupy a wide range of habitats and adaptive features. Yet, the genetic basis of such features is largely unknown. This symposium aims at contributing to this stirring field of research by exploring the information contained in rodent genomes. Potential topics include:

- Genomics of speciation
- Signatures of selection
- Hybrid zones
- Populations dynamics and genetic divergence
- Chromosomal reorganizations and evolution

Symposium organizers:

Aurora Ruiz---Herrera

Universitat Autònoma de Barcelona, Spain

Email: aurora.ruizherrera@uab.cat

Petr Kotlik

Institute of Animal Physiology and Genetics CAS, Czech Republic

Email: kotlik@iapg.cas.cz