PhD positions in Population genetics

Over the past years, Vienna has developed into one of the leading centres of population genetics. The Vienna Graduate School of Population Genetics has been founded to provide a training opportunity for PhD students to build on this excellent on-site expertise.

We invite applications from highly motivated and outstanding students with a love for evolutionary research and a background in one of the following disciplines: evolutionary genetics, functional genetics, theoretical or experimental population genetics, bioinformatics, mathematics, statistics.

Topics include:

- Are piRNA clusters the central force limiting the abundance of selfish DNA?
- Evolution from de novo mutations - influence of elevated mutation rates.
- Evolution of sex-specific neuronal signaling.
- Identifying signatures of adaptation using time-series genomic and phenotypic data.
- Inference of selection signatures from time-series data.
- Invasion dynamics of selfish DNA
- Long-term dynamics of local Drosophila populations.
- Microbiome evolution in Drosophila.
- Temperature adaptation in Drosophila: phenotypic adaptation.

Only complete applications (application form, CV, motivation letter, university certificates, indication of the two preferred topics in a single pdf) received by December 12, 2021 will be considered. Two letters of recommendation need to be sent directly by the referees.

Depending on the project, PhD degrees will be awarded either in genetics, mathematics or statistics. PhD students will receive a monthly salary based on currently 2,237,60 before tax according to the regulations of the Austrian Science Fund (FWF).

All information about the about available topics, the training program and the application procedure can be found at www.popgen-vienna.at

We also pinned the call at @PopGenViennaPhD
https://twitter.com/PopGenViennaPhd

With kind regards and greetings on behalf of Christian Schlötterer and Joachim Hermisson,

Julia
Dr. Julia Hosp

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