

Doctoral Grant (BOF), Evolutionary Genomics - 2019BAPDOCPROEX301

The Faculty of Science is seeking to fill a **full-time (100%)** vacancy in the Department of Biology for a

Doctoral Grant by the University Research Fund (BOF) in the area of Evolutionary Genomics

The hundreds of closely related but ecologically diverse species of Lake Malawi cichlid fish provide an exceptional model to study the genomic mechanisms involved in rapid adaptation and diversification. In the **Svardal lab** we are interested in both the fundamental evolutionary processes involved in the formation of new species and the molecular basis of adaptive phenotypes.

Several projects are available that will allow you to combine aquarium experiments and state-of-the-art genomic approaches to study explosive speciation and recent adaptation to heavy fishing pressure in Malawi cichlids. [Click for more information.](#)

Job description

You prepare a doctoral thesis in the field of Evolutionary Genomics.
You publish scientific articles related to the research project of the assignment.
You contribute to teaching and research in the Department of Biology.

Profile and requirements

You hold a master's degree in Biology, Mathematics, Computer Science, or a related field.
You can submit outstanding academic results.
Students in the final year of their degree can also apply.
Foreign candidates are encouraged to apply.
Your academic qualities comply with the requirements stipulated in the [university's policy](#).
You are quality-oriented, conscientious, creative and cooperative.
Understanding of the basic principles of population genetics and strong motivation to develop further quantitative skills in this field.
Some experience with computational data analysis, statistics, and programming (e.g., R, Python, command line) and strong motivation to acquire further skills in these fields.

We offer

a doctoral scholarship for a period of two years, with the possibility of renewal for a further two-year period after positive evaluation;
the start date of scholarship will be between March 1st and October 1st 2020;
a gross monthly grant ranging from € 2.373,36 to € 2.516,73;
a dynamic and stimulating work environment.

How to apply?

Applications may only be **submitted online**, until the closing date **29 November 2019** and should include a copy of your CV and a cover letter.
A pre-selection will be made from amongst the submitted applications. The remainder of the selection procedure is specific to the position and will be determined by the selection panel.

The interviews of the candidates, preselected by a selection panel, will take place in December.
More information about the application form can be obtained from vacatures@uantwerpen.be.
For questions about the profile and the description of duties, please contact Prof. Hannes Svardal (hannes.svardal@uantwerpen.be).

*The University of Antwerp is a family friendly organization, with a focus on equal opportunities and diversity.
Our HR-policy for researchers was awarded by the European Commission with the quality label **HR Excellence in research**.*

*We support the **Science4Refugees** initiative and encourage asylum-seeking, refugee scientists and researchers to apply for a job at the University of Antwerp.*