

**iDiv**German Centre for Integrative  
Biodiversity Research (iDiv)  
Halle-Jena-Leipzig**External Job Advertisement**  
**Reg.-Nr. 4-15437/20-D**

iDiv, the German Centre for Integrative Biodiversity Research Halle-Jena-Leipzig, invites applications to 5 doctoral researcher positions in its 6<sup>th</sup> flexpool call from spring 2021 onwards (see overview in published flexpool general announcement).

The Martin Luther University Halle-Wittenberg, in cooperation with the German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, offers the following position at the earliest possible starting date and initially limited until 30<sup>th</sup> September 2021:

**Doctoral Researcher (m-f-d) on the flexpool project 2:  
“Harnessing the power of RADseq data to achieve a more mechanistic understanding of rapid evolution”**

as part-time employment (65 %), an extension for further 2.5-3 years is possible and dependent upon successful renewal of DFG funding for iDiv (evaluation in spring 2021).

The salary will be up to Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled. The workplace will be mainly the Hensen lab at MLU Halle. However, parts of this interdisciplinary project will also take place at the Durka lab (UFZ Halle) and at the Onstein lab (iDiv Leipzig).

**The project:**

This integrative project will apply RADseq analyses to identify molecular mechanisms of rapid evolution in native and non-native *Conyza canadensis* populations. Landscape genomics will unravel adaptive and non-adaptive drivers of the global genomic structure of this cosmopolitan weed. Available common garden data will allow studying genomic associations for intraspecific trait variation for phenotypic (competitive ability) and metabolic data (root exudate profiles). The project will be supervised by the iDiv members Isabell Hensen (MLU Halle), Walter Durka (UFZ Halle) and Renske E. Onstein (iDiv Leipzig).

**Tasks:**

- Performing population genomic lab work and data analyses
- Publishing scientific papers in peer-reviewed journals
- Presenting results at national and international conferences
- Interactions with molecular and evolutionary ecologist at MLU, UFZ and iDiv
- Travelling for interactions with collaborators from the University of Montana
- Active participation in the yDiv graduate school
- Qualification goal: PhD in population genomics

**Requirements:**

- M.Sc. or equivalent scientific university degree in a project-related field (e. g., population genetics, plant genomics, population ecology, plant ecology and evolution, invasion biology)
- Statistical skills, experience with R
- Expertise and experience in population genetics are advantageous
- Experience in working with data pipelines is also advantageous



- Profound English communication skills (spoken and written)
- Strong organizational skills
- Interest and ability in working in international and interdisciplinary teams
- High intrinsic motivation and team spirit

The Martin Luther University Halle-Wittenberg gives priority to applications from severely disabled candidates with equivalent qualifications. Women are particularly encouraged to apply.

Queries concerning the application process should be directed to Mrs. Christa Genz ([christa.genz@idiv.de](mailto:christa.genz@idiv.de)), for project-related questions, please contact Professor Isabell Hensen ([isabell.hensen@botanik.uni-halle.de](mailto:isabell.hensen@botanik.uni-halle.de)).

Submission deadline is 27<sup>th</sup> January 2021. Selected candidates will be invited to the online Flexpool recruitment symposium on 23<sup>rd</sup> and 24<sup>th</sup> February 2021.

**Application should include:**

- Cover letter describing motivation for the project, research interests and relevant experience
- Complete curriculum vitae including names and contact details of at least two scientific references
- Digital copy of master certificate or equivalent

Kindly send your application, quoting the reference number 4-15437/20-D via our application portal at <https://apply.idiv.de>. While we prefer applications via this portal, hard-copy applications may also be sent to: German Centre for Integrative Biodiversity Research – iDiv (Halle-Jena-Leipzig), Mrs. Dr. Christa Genz, Puschstraße 4, 04103 Leipzig.

The position is offered with reservation of possible budgetary restrictions. Application portfolios will not be returned, application costs will not be reimbursed.

iDiv is committed to establishing and maintaining a diverse and inclusive community that collectively supports and implements our mission to do great science. We will welcome, recruit, develop, and advance talented staff from diverse genders and backgrounds.