At the Faculty of Mathematics and Natural Sciences of the University of Bonn, Fachgruppe Biologie, a

W1-Assistant Professorship (tenure track to W2) for
Ecological Modelling

is to be filled. We are looking for candidates with proven expertise in the field of ecological modelling, successful acquisition of competitive third-party funding and a good to very good publication record. The preferred research profile includes the theory and analysis of structure and dynamics of terrestrial ecosystems, for example in the areas of dynamic modelling of populations, communities (community modelling), ecological networks, cross-scale modelling, vegetation ecology, biodiversity effects of global change or habitat fragmentation. Links to the existing organismic research, for example in biogeography, in linking ecological and evolutionary processes across historical and/or geological time periods and/or in biodiversity monitoring are explicitly desired. We expect a solid background in empirical research (field data collection, experimental design, systematics) and excellent taxonomic knowledge in addition to a profound understanding of theoretical ecology and modelling.

Active involvement is expected in the design and establishment of research priorities in the Biology Unit (Fachgruppe Biologie) in cooperation with the Faculty of Agriculture and the Zoological Research Museum Koenig, as well as a teaching participation in the BSc. Biology and in the Master programmes ‘Plant Science’ and ‘Organismic Biology, Evolutionary Biology and Palaeobiology’.

Assistant professors are appointed for a period of three years; an extension for a further three years is possible if the interim evaluation is positive. Subsequently, the appointment will be made permanent at W2-Level following a positive final evaluation by the University's governing bodies.

This tenure track professorship is funded by the Bund-Länder-Programm zur Förderung des wissenschaftlichen Nachwuchses (Tenure Track Program). The tenure track commitment is not subject to a job reservation. The call for applications is aimed at early career researchers. If applicants have completed their doctorate at the University of Bonn, they should have changed universities after completing their doctorate or have worked academically outside the University of Bonn for at least two years. The hiring requirements are based on § 36 HG NRW. The central tenure track regulations of the University of Bonn as well as further information on the tenure track at the University of Bonn can be found at https://www.uni-bonn.de/en-tenure-track

The University of Bonn is committed to diversity and equal opportunities. The University of Bonn is certified as a family-friendly university and has a Dual Career Service. Its aim is to increase the proportion of women in areas where women are underrepresented and to particularly promote their careers. It therefore strongly encourages applications from relevantly qualified women. Applications are handled in accordance with the State Equal Opportunities Act. Applications from suitable persons with proven severe disabilities and persons of equal status are particularly welcome.

Applications in German or English with the usual documents (curriculum vitae, list of publications –
separated into original works, book contributions, reviews, without abstracts, record of teaching experience, third-party funding, research perspectives and teaching concept) should be sent electronically in a single pdf file by the **10th of October 2021** to the

Universität Bonn, Fachgruppe
Biologie Vorsitzende der
Berufungskommission Frau Prof. Dr.
Ute Vothknecht (fgbiol@uni-bonn.de)
Evaluation criteria Assistant Professorship “Ecological Modelling”, W1, tenure track to W2

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<th>a. Research Achievements</th>
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| **Scientific development potential in international comparison** | - Significant contributions to the development of the field of ecological modelling of terrestrial ecosystems.  
- Development of an independent, creative research portfolio  
- Substantial publication output in peer-reviewed journals, evidenced by corresponding above-average metrics (impact factor, citations)  
- Concrete participation in the strategic reorientation of organismic research in the Biology Division  
- Invitations to speak nationally and internationally |
| **Third-party funds acquired and cooperation**                | - Acquisition of competitive third-party funding (e.g. EU, DFG, BMBF).  
- Establishment of more active cooperations within the University of Bonn (e.g. Faculty of Agriculture) and with the Zoological Research Museum Koenig (e.g. biodiversity monitoring) |
| **Promotion of young academics/personnel management skills**  | - Establishment and supervision of an independent working group |

b. Teaching Performance

- Engaged participation in basic teaching in Organismic Biology evidenced by student teaching evaluations  
- Participation in existing and conception of new, complementary courses in the English-language Master’s programmes “Plant Science” and “OEP-Biology”  
- Supervision of theses

c. Academic Engagement

- participation in commissions and committees of the Biology Division and/or the Faculty of Mathematics and Natural Sciences

| Involvement in scientific organisations and associations      | Reviewer and/or peer-reviewer activities in scientific journals  
- Membership in the editorial / advisory board (associate editor) of relevant scientific journals with peer review procedures  
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