

Job posting

Type of position

scientific
administrative

Target group

graduates
post docs
other

Title Doctoral research position (PhD student, 65% EG 13 TV-L)
(f/m/d)

Institution DFG-Graduiertenkolleg SYSTEMLINK (GRK2360) at the
Institute for Environmental Sciences at the University of
Koblenz-Landau, Campus Landau, Germany

Position As part of the research training group SystemLink - Crossing
boundaries: Propagation of in-stream environmental alterations
to adjacent terrestrial ecosystems, funded by the Deutsche
Forschungsgemeinschaft, you will work from January 2021 on in
a team of young and ambitious researchers with access to
state-of-the-art equipment and experimental facilities. This
project will focus on the flood-mediated effects of stressors such
as aquatic micropollutants and invasive species on terrestrial
recipient communities.

Responsibilities The work involves a review of meta-ecosystem models, and the
subsequent development of a model, which will include the
above-mentioned stressors. The model should consider
biogeochemical cycles, soil physical properties, ecosystem
functions, and riparian bottom-up plant-herbivore trophic
interactions. Once empirical data are available, the model will be
used to test the hypothesis that environmental stressors
destabilize the dynamics of the riparian trophic system via
bottom-up effects. Moreover, the project will work in close
cooperation with an ecological modelling project on top-down
effects.

Requirements You are the right person for this project if you are interested in
biogeochemical modelling and/or quantitative ecology and you
have previous knowledge in process-based environmental
modelling, applied mathematics or data analysis. Successful
candidates will hold a diploma or MSc in a relevant topic such
as environmental sciences, ecology, biogeochemistry, physics,
environmental modelling or similar. You should be open to
conduct own empirical work and to contribute to joint
experimental studies. Additionally, fluent English talking and
writing skills as well as strong motivation to work in teams, to
publish research articles, and to finish a PhD thesis within three
years is needed. Biology, Physics, Mathematics, Chemistry (and
similar) degrees will be equally considered.

Application procedure (deadline etc.)

Please send your applications (1 pdf file, max 10 MB) with a 1-page letter of motivation, a CV and a list of publications/presentations, a reference letter from a mentor and degree certificates until 30.11.2020 via email to bewerbung@uni-koblenz-landau.de Please make sure to mention your name and the reference number 84/2020 in the subject line of the email. Potential candidates will be contacted for an online or physical meeting.

Women with equivalent suitability, competence and professional performance will have preference for employment as far as and for as long as an underrepresentation exists. This is not the case if there are such serious reasons of an applicant that are above the principle of equality of women.

Disabled candidates are given priority, if equally qualified (please attach a proof).

Please note: We do not send an acknowledgement of receipt.

You will receive information about the result of your candidature. Data destruction after the conclusion of the selection procedure is assured.

Contact

For further details on the SystemLink research see the website <https://systemlink.uni-landau.de/> or contact the speaker of SystemLink, Prof. Dr. Ralf Schulz (schulz@uni-landau.de) or the supervising scientist of the position, Dr. Alessandro Manfrin (manfrin@uni-landau.de).