The Rheinische Friedrich-Wilhelms-Universität Bonn is an international research university that offers a wide range of degree programs. With 200 years of history, about 38,000 students, over 6,000 employees, and an excellent domestic and international reputation, Bonn University is among Germany's leading universities.

From, January 1st, 2020, the Institute of Food and Resource Economics (ILR), University of Bonn, recruits a

Doctoral Researcher (TV-L E13 65%, for 4 years) – farm-level adoption analysis

The successful candidate will be employed as a researcher involved in the Cluster of Excellence "PhenoRob: Robotics and Phenotyping for Sustainable Crop Production" (http://www.phenorob.de/) funded by the Deutsche Forschungsgemeinschaft. Specifically, the research will contribute to the core project "Technology Adoption and Impact at the Farm and Landscape Scale".

The core project responds to the following challenge formulated in the PhenoRob cluster description: "How to design the process of upscaling the innovations, to ease technology transfer as well as compatibility to current crop farming and to obtain information on how the new technology will change crop farming systems, landscape, and markets ?". With a variety of empirical and modelling approaches, the core project aims to understand PhenoRob technology diffusion and impacts capturing dynamic feedbacks between crop management, human decision making, ecosystem functions and factor as well as service markets. This requires improving our understanding of: (1) the spatial and temporal dynamics of adoption and diffusion of phenotyping and robotics-based production technologies and (2) pathways of socio-economic and environmental impacts at farm and landscape scale.

Your tasks:	- Design and apply stated preference methods to explore characteristics of robotics and phenotyping technologies that determine technology adoption. - Publish your results in at least three peer-reviewed journal articles - Collaborate on joint research questions with other core project members - Interact with related PhenoRob projects and initiatives involving cross-disciplinary collaboration - Engage in academic outreach activities
Your profile:	- MSc degree in Agricultural Economics or related fields in economics - Econometric skills and interest in experimental methods - Willingness to engage in interdisciplinary collaboration - Very good English communication and writing skills
We offer:	- A vibrant and creative work environment as a member of the PhenoRob Cluster of Excellence and interaction with various research groups at ILR - Enrolment in the Theodor Brinkmann Graduate School of the Agricultural Faculty with a broad portfolio of specialized PhD courses in Bonn and at numerous partner Universities - Numerous training opportunities offered at the University of Bonn - Part time employment (65%) according to TV-L E13 on the salary scale for University based researchers

Applicants please submit:

1. A **letter of motivation** including your specific research interest (max. 1 page)
2. A detailed **curriculum vitae**
3. A copy of your **MSc diploma and related transcripts**
4. A short **concept note** (max. 2 pages) outlining your research ideas to address the above-mentioned tasks
5. The **name and contact of two referees** (position, professional address and e-mail)

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university and aims to increase the number of women employed in areas where women are under-represented and to promote their careers. To that end, it urges women with qualifications to apply. Applications will be handled in

accordance with the 'Landesgleichstellungsgesetz' (State Equality Act). Applications from suitable candidates with a certified disability or equivalent status are particularly welcome.

If you are interested in this position, please send your complete application documents by **September 15, 2019** to umwelt@ilr.uni-bonn.de. Before sending your application, please **combine and convert all of your documents into one PDF file**.