Freie Universität Berlin

Services at Freie Universität Berlin

Job Offers for Academic Positions at Freie Universität Berlin

Fachbereich Biologie, Chemie, Pharmazie - Institut für Biologie - Epigenetik der Pflanzen

research assistant (postdoc) within the framework of the excellence initiative and of the CRC 979

full-time job

limited to 31.12.2018

Entgeltgruppe 13 TV-L FU

reference-code: BCP IBE 09 17

After flowering induction, plants usually show a continuous generation of flowers. We have shown that the maintenance of flowering is epigentically controlled and have isolated (epigenetic) mutants, which display vegetative features after flowering induction. These plants show an extended lifespan, but produce less seeds and fruits.

Job description:

In this project, the isolated mutants shall be characterized epigenetically, biochemically and molecularly to identify their target genes and interaction partners. In addition, the influence of abiotic stressors on the stability of flowering induction will be analysed.

Requirements:

Dr.rer. nat. in Biology or Biochemistry

Job experiences:

The candidates need to have a strong experimental background in molecular plant sciences, with a focus on either plant development or epigenetics. Experience in bioinformatics (with R) and Microsoft Office are an advantage.

Desirable: Very good English skills are important, German skills are not a requirement, but advantageous. The candidates should be team players and have the ability to work conceptually and independently.

Applications should contain a single PDF file, comprise study records, two letters of recommendation, a motivation letter clearly stating the interest in the project, in plant epigenetics and the group, a CV (including study records and publications) and a summary of the PhD thesis should be sent to Dan.schubert@fu-berlin.de

Applications including all relevant documents and quoting the **reference code** should be submitted by **October 16th, 2017** to

Freie Universität Berlin
Fachbereich Biologie, Chemie, Pharmazie
Institut für Biologie
Herrn Prof. Dr. Daniel Schubert
Königin-Luise-Str. 12-16
14195 Berlin (Dahlem)

Or as an e-mail to: dan.schubert@fu-berlin.de

Fachbereich Veterinärmedizin - Institut für Veterinär-Epidemiologie und Biometrie

Scientific Assistant

with 70% part-time job

limited to 31.08.2020

Entgeltgruppe 13 TV-L FU

reference code: vetepi_campy_2017

The Institute for Veterinary Epidemiology and Biostatistics (IVEB) works on population oriented research questions, offers consultancy for scientists in the veterinary faculty regarding study design and data analysis and is responsible for the students' education in epidemiology and biostatistics. Together with partners in human and veterinary medicine, the institute is part of the research consortium "PAC-Campy" conducted between 2017 and 2020. IVEB will establish a risk intervention model in poultry production, develop a database for the consortium and assist the project partners in statistical analyses.

We offer:

We are a young team of veterinarians, physicists, and information experts. We deal with different topics around population medicine and veterinary public health. You will have the opportunity to visit conferences and take part at formal qualification programs such as European College of Veterinary Public Health or the German specialization in epidemiology.

Job description:

We are looking for a colleague who conducts a risk intervention model. A baseline risk model will be built by adapting established risk factor models to the German situation. Possible interventions will be assessed by MCMC simulation modeling regarding their impact on human campylobacteriosis: (a) reducing the prevalence of Campylobacter (C.) spp. in poultry flocks, (b) reducing the bacterial load of colonized chickens, (c) reducing the release of C. spp. from broiler farms to the environment, and (d) reducing the proportion of contaminated carcasses. Economic aspects will also be considered by DALYs in terms of a cost-utility analysis.

Our future colleague will also take part at meetings from the consortium, obtain the required data and publish the results in terms of scientific presentations and journal articles.

Requirements:

University degree (Master of Science or similar) in mathematics, statistics or other relevant natural sciences or university degree in veterinary medicine with appropriate qualification (e.g. ECVPH) or similar international degree (e.g. DVM).

Job experience:

Experience for several years in the field of simulation modelling, risk analysis and econometrics.

Desirable:

Doctoral degree or PhD, experience in software programs (@risk, relevant statistics software, excel, access, word), experience in the field of zoonoses research, good skills in organization, team building and communication; Knowledge of the German language is recommended, but not necessary.

Please find further information regarding the institute and the project here: http://www.vetmed.fu-berlin.de/en/einrichtungen/institute/we16/index.html. If you have any questions, do not hesitate to contact us (Dr. Roswitha Merle: roswitha.merle@fu-berlin.de Tel. +49 30 838 75096).

Applications quoting the **reference code** should be sent no later than **October 16 th, 2017**

to Dr. Roswitha Merle: roswitha.merle@fu-berlin.de or by post to

Freie Universität Berlin
Fachbereich Veterinärmedizin
Institut für Veterinär-Epidemiologie und Biometrie
Frau Dr. Roswitha Merle
Königsweg 67
Haus 21
14163 Berlin (Germany)

Exzellenzausschreibungen - Topoi - The Formation and Transformation of Space and Knowledge in Ancient Civilizations

research assistant

full-time job

limited to 31.12.2018

Entgeltgruppe 13 TV-L FU

reference code: FU/31-I/WiMi

Job description:

Participation in a research project on ancient Hirpinia. In the context of this project, all ancient sites (ca. 6th c BC – 2nd c BC) should be recorded systematically in a GIS system and their distribution should be analyzed and assessed.

Requirements:

University Degree in Classical Archaeology.

Desirable:

- Excellent degree in Classical Archaeology
- Excellent knowledge of Italian
- Comprehensive knowledge of ancient Hirpinia
- Comprehensive knowledge of GIS and database programs
- Ability to work in a team

Please send applications per pdf including CV, letter of interest, list of publications, and one-page summary of research on ancient Hirpinia.

Applications quoting the **reference code** should be sent no later than **Oktober 16th, 2017** to

Freie Universität Berlin
Topoi - The Formation and Transformation of Space and Knowledge in Ancient Civilizations
Frau Prof. Dr. Monika Trümper
Fabeckstr. 23-25
14195 Berlin - Germany

Fachbereich Mathematik und Informatik - Institut für Informatik

research assistant
full-time job
limited to 31.12.2019
Entgeltgruppe 13 TV-L FU
reference code: WiMi ONE 5G Wireless Networking

The Heisenberg Communications and Information Theory Group (http://www.mi.fu-berlin.de/en/inf/groups/ag-comm/index.html) at the Freie Universität Berlin, Department of Mathematics and Computer Science, is seeking an outstanding PhD student in the field of Compressed Sensing (CS) for the application in 5G Wireless Networking (Internet of Things, Tactile Internet, Security, Massive MIMO etc.) or other intriguing and interdisciplinary applications in information processing (data analysis, machine learning etc.). In the dissertation the PhD student will develop and mathematically analyze new schemes for which CS techniques will become instrumental. The PhD student is expected to expand the mathematical foundations of CS and to implement the advanced algorithms in @Matlab. The position requires good communication skills and the ability (and desire) to cooperate with interdisciplinary partners.

Job description:

The group is seeking an outstanding PostDoc (preferred) or PhD student in the field of E2E Wireless Networking for 5G Wireless Networks, specifically in the field of multi-service operation, SDN, virtualization, and virtual base station design in the CRAN/DRAN. The candidate will develop and implement wireless network protocols, and assess their performance towards fundamental limits, to enable 5G virtual base station design with E2E performance requirements. The project is part of the EU H2020 5GPPP flagship project ONE5G on the development of the upcoming 5G New Air Interface.

Requirements:

Applicants must possess a master degree in computer science, mathematics, electrical engineering or similar. Applicants with strong skills in mathematics will be given preference.

Desirable:

The candidate is expected to have a profound knowledge in the field of wireless networking (particularly SDN) as well as controlled queueing systems and modern graph theory. Additional knowledge on fundamental information-theoretic limits for cooperative wireless networking is desired.

All applications quoting the **reference code** should be addressed no later than **October 23th, 2017** to

Freie Universität Berlin
Fachbereich Mathematik und Informatik
Institut für Informatik
Herrn Dr.-Ing. Gerhard Wunder
Takustr. 9
14195 Berlin (Dahlem)

or as an e-mail: wunder@zedat.fu-berlin.de

Fachbereich Physik - Institut für Experimentalphysik

research assistant (postdoc)

full-time job

limited to 3 years

Entgeltgruppe 13 TV-L FU 100%

reference code: AG-Fum_2017

The work group Fumagalli investigates thin films, thin-film systems, and nanostructures using surface-analysis methods (RHEED, SPA-LEED, AES, STM/AFM), magneto-optic spectroscopy (energy, magnetic-field, and temperature dependent) as well as scanning near-field optical microscopy. One focus is on the investigation of magnetically coupled systems consisting of a combination of ferromagnetic metals and ferromagnetic semiconductors for spintronic applications.

Job Description:

Research in the field of growth and properties of epitaxial thin films and nanostructures. In-situ characterization with surface-analysis methods (RHEED, SPA-LEED, AES, STM/AFM) and with temperature and magnetic-field-dependent magneto-optic spectroscopy. Self-dependent designing and realization of proposals in the above field of research or in any new ongoing area of research to raise third-party funds with the objective of scientific qualification (Habilitation). Participation in the teaching duties at the physics department.

Requirements:

Completed Ph.D. in physics.

Work Experience:

Six month as a postdoc performing self-dependent research.

Desirable:

Experience in the field of ultra-high vacuum technique. Experience with molecular-beam epitaxy, growth and analysis of epitaxial thin films and/or nanostructures. Experience with magnetism. Readiness to write proposals in order to raise third-party funds. Ability to work in a team, endurance, and enthusiasm for new ideas.

All applications quoting the **reference code** should be addressed no later than **October 30th, 2017** to

Freie Universitaet Berlin
Institut fuer Experimentalphysik
Prof. Dr. Paul Fumagalli
Arnimallee 14
14195 Berlin (Dahlem)
Or as an e-mail to: paul.fumagalli@fu-berlin.de

Women are explicitly encouraged to apply. Handicapped applicants will be preferred in case of equal qualifications. Applications from people with a migration background who meet the recruitment requirements are desirable. Interview costs cannot be covered by the Freie Universität Berlin. Application documents will not be returned. Please submit your documents only in copy.

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