

Research Associate in Chemical Ecology

Keele University, Keele, Staffordshire, ST5 5BG, UK

Application Deadline: 30 August 2018

Start date: ASAP

Website: https://people.keele.ac.uk/tlive_webrecruitment/wrd/run/ETREC107GF.open?VACANCY_ID=966930HHnv&WV_ID=0493472Nsk&LANG=USA

Qualifications

A Ph.D. in Chemical Ecology, Chemistry, Entomology or related discipline is required. We also require experience of undertaking electrophysiological recordings with insect antennae

Description

Salary

Grade: 7 point 30. Starting Salary £32,548 per annum

Job category/type

Academic and Research

Job description

Fixed Term until 30th June 2021

This post represents an exciting opportunity for a well-motivated individual to join a team of staff in Keele University's School of Life Sciences and Centre for Applied Entomology and Parasitology (CAEP).

We require a Chemical Ecologist to conduct chemical analysis of plant secondary metabolites and perform electrophysiological recordings with insect antennae to identify biologically active compounds. This is for our new BBSRC Sustainable Agriculture for Sub-Saharan Africa (SASSA) project, 'Enhancing crop diversity and ecosystem services to promote biological control of fall armyworm in smallholder cropping systems'. The project aims to use chemical ecology to develop new management solutions for fall armyworm, a devastating invasive pest in Africa. The role primarily involves analysis of chemicals produced by plants repel or attract the pest or attract its natural enemies. The post will be based in the School of Life Sciences on the main Keele campus with visits to our collaborator, the International Centre for Insect Physiology and Ecology (*icipe*) in Kenya.

A Ph.D. in Chemical Ecology, Chemistry, Entomology or related discipline is required. We also require experience of undertaking electrophysiological recordings with insect antennae, chemical analysis, keeping accurate records relating to experimental samples and results and good laboratory practice. We are looking for candidates with demonstrated ability to deliver high quality research, ability to plan and conduct experiments and ability to record and interpret data with attention to detail. Candidates should have strong interpersonal and communication skills, proficiency in the use of IT, ability to undertake statistical analyses, excellent oral and written communication skills and the ability to work independently and as part of a team.

The school is supportive of a flexible approach to working, subject to the needs of the role (see enclosed person specification). This can be discussed further at the interview.

Keele University values equality and diversity across our workforce and to ensuring our staff community is reflective of the diversity of our student population. In support of these commitments the University welcomes applications from individuals of Black, Asian and ethnic minority backgrounds for *all* roles.

Application Materials

For further details about this role please click on the link below

[Job Description and Person Specification](#)

Keele University employees wishing to apply should login to Employee Self Service and click on the 'View current vacancies' link.

Closing date for applications: 30 August 2018

Post reference: KU00000838

Submit applications and further questions to:

Applications should be made online through the website:

https://people.keele.ac.uk/tlive_webrecruitment/wrd/run/ETREC109DF.open?REQUEST=RET&PROFILE=VACANCY_ID.TVACANCY=966930HHnv&VACANCY_ID=966930HHnv&ACTION_ID=WEB_REC&USESSION=C2BF142CA54911E893EBAF9EF543883A&WVID=0493472Nsk&LANG=USA&CONT=GUEST

Contact Person	Toby Bruce
Mailing Address	School of Life Sciences, Huxley Building, Keele University, Keele, Staffordshire, ST5 5BG, UK.
Telephone	+44 (0)1782 734072
E-mail:	t.j.a.bruce@keele.ac.uk