



THE POST

College/Service:	College of Engineering, Mathematics and Physical Sciences
Post:	Lecturer / Senior Lecturer in Astrophysics (Education and Research)
Reference No:	P65475
Grade:	F / G
HERA:	LEC / SL
Reporting to:	Pro Vice Chancellor (PVC)

The above full time post is available immediately in the College of Engineering, Mathematics and Physical Sciences. It will be offered on a fixed term basis of up to five years.

The University

The University of Exeter is a member of the prestigious Russell Group of research-intensive universities. We combine world-class teaching with world-class research, and have achieved a Gold rating in the Teaching Excellence Framework Award 2017. The University of Exeter has over 22,000 students and 4600 staff from 180 different countries and has been rated the WhatUni2017 International Student Choice. Our research focuses on some of the most fundamental issues facing humankind today, with 98% of our research rated as being of international quality in the 2014 Research Excellence Framework. We encourage proactive engagement with industry, business and community partners to enhance the impact of research and education and improve the employability of our students.

Job Description

Main duties and accountabilities - (Lecturer level)

1. To fulfil research, teaching and administration duties as a lecturer in physics and astronomy.
2. To extend the research profile of discipline and related areas, especially in the area of Astrophysics, attracting and supervising postdoctorate researchers and postgraduate research students.
3. To collaborate with colleagues both within the College and the University of Exeter as a whole in order to develop and support academic area research programmes and the College's research programme.
4. To contribute to the general operation of the College as a member of its academic team.

Research

1. To conduct independent research and act as principal investigator and project leader, and in so doing:

Enhance the College's international reputation through research publications of appropriate quantity and quality, and contribute to worldwide debate at national and international conferences, and

Win research earnings through carefully prepared and successful grant applications as well as identifying potential income-generating programmes and collaborative partnerships.
2. To supervise research projects, managing any dedicated research staff and postgraduate research students, and provide the mentorship to enable staff and students to develop their skills and academic careers.

3. To help promote a collegiate working atmosphere and stimulating environment that will attract further research staff of the highest quality as well as good postgraduate research students.
4. To contribute to the further and ongoing development of discipline research at Exeter, especially the area of academic area.

Teaching

To deliver undergraduate courses to appropriate academic standards such that:

1. Knowledge acquired from research translates to teaching
2. Students are challenged but also tutored and supported with individual care
3. Teaching and learning techniques are innovative and inspiring
4. Students are supervised appropriately
5. Assessment criteria are appropriate, and fairly applied with results fed back to students appropriately
6. Module content is continuously reviewed to identify areas for improvement

General

To contribute to the overall general and academic management in the College by undertaking activities that may be required such as:

1. Developing overall academic content and structure of modules with colleagues
2. Developing ideas for generating income and promoting both the College in general and discipline in particular activity
3. Supporting admissions processes and procedures
4. Supporting examinations processes and procedures
5. Contributing to the work of College committees
6. Contributing to accreditation and quality control processes
7. Contributing to strategic planning

This job description summarises the main duties and accountabilities of the post and is not comprehensive: the post-holder may be required to undertake other duties of similar level and responsibility.

Person Specification (Lecturer)

The successful applicant will have an independent research programme that will strengthen and complement the existing team at the University. He/she will be able to demonstrate the following qualities and characteristics:

1. PhD in Physics, Astrophysics, or a related discipline
2. Sufficient knowledge to develop teaching and research programmes
3. A strong record in attracting research funding, or demonstrable potential to attract such funding.
4. Teamwork skills to work in collaboration with existing group members
5. An active and supportive approach to inter-disciplinary and multi-disciplinary research that will help to foster interactions and links both within the University and externally with other educational bodies, professional institutions and employers
6. The attitude and ability to engage in continuous professional development
7. The aptitude to develop familiarity with a variety of strategies to promote and assess learning
8. Enthusiasm for delivering undergraduate programmes
9. Demonstrate knowledge and experience of equality and diversity issues, and a commitment to providing an inclusive environment for staff and students

Job Description (Senior Lecturer)

The full job description (role profile) for Senior Lecturer (Education and Research) posts can be found on our website at http://admin.exeter.ac.uk/personnel/academic_paths/academic_paths_tandr.shtml.

This summarises the main duties and accountabilities of the post and is not comprehensive: the post-holder may be required to undertake other duties of similar level and responsibility.

Main purpose of the job:

To fulfil research, teaching and administration duties as a senior lecturer in academic area.

To contribute to extending the research profile of academic, particularly in areas related or complementary to existing define.

To contribute to the general operation of the College as a member of its academic team.

Research

To contribute to enhancing the quality and quantity of Astrophysics research at Exeter in an area related or complementary to existing research strengths.

To conduct independent research and act as principal investigator and project leader, and in so doing:

1. Enhance the College's international reputation through research publications of appropriate quantity and quality, and contribute to worldwide debate at national and international conferences, and
2. Win research earnings through carefully prepared and successful grant applications as well as identifying potential income-generating programmes and collaborative partnerships.

To supervise research projects, managing any dedicated research staff and postgraduate research students.

To help promote a collegiate working atmosphere and stimulating environment that will attract further research staff of the highest quality as well as good postgraduate research students.

To contribute to the further and ongoing development of academic area research at Exeter, especially in the area of Astrophysics.

Teaching

To develop and deliver undergraduate courses to appropriate academic standards such that:

1. Knowledge acquired from research translates to teaching
2. Accreditation by professional bodies is obtained where appropriate
3. Students are challenged but also tutored and supported with individual care
4. Teaching and learning techniques are innovative and inspiring
5. Students are supervised appropriately
6. Assessment criteria are appropriate, and fairly applied with results fed back to students appropriately
7. Module content is continuously reviewed to identify areas for improvement

General

To contribute to the overall general and academic management in the College by undertaking activities that may be required such as:

1. Developing overall academic content and structure of modules with colleagues
2. Developing ideas for generating income
3. Supporting admissions processes and procedures
4. Supporting examinations processes and procedures
5. Contributing to the work of College committees
6. Contributing to accreditation and quality control processes

Person Specification (Senior Lecturer)

The successful applicant will have an independent, internationally-recognised research programme in an active field of academic area research related or complementary to existing Exeter strengths. He/she will be able to demonstrate the following qualities and characteristics:

- PhD in Physics, Astrophysics, or a related discipline
- A strong record in attracting research funding, or demonstrable potential to attract such funding
- Teamwork skills to work in collaboration with existing group members
- An active and supportive approach to inter-disciplinary and multi-disciplinary research that will help to foster interactions and links both within the University and externally
- The attitude and ability to engage in continuous professional development
- The aptitude to develop familiarity with a variety of strategies to promote and assess learning
- Enthusiasm for delivering undergraduate and postgraduate programmes
- A strong record of research grant capture
- Proven academic leadership skills
- Be an externally recognised authority in the broader subject area
- Demonstrate knowledge and experience of equality and diversity issues, and a commitment to providing an inclusive environment for staff and students

Informal Enquiries

Before submitting an application you may wish to discuss the post further by contacting Professor Isabelle Baraffe (01392) 725123 or i.baraffe@exeter.ac.uk

Terms & Conditions

Our Terms and Conditions of Employment can be viewed [here](#).

Further Information

Please see our [website](#) for further information on working at the University of Exeter.