

THE POST

College/Service: Living Systems Institute
Post: Lecturer/Senior Lecturer in Living Systems
Reference No: P01007
Grade: F/G

Job Description

The Living Systems Institute (LSI) is a major new initiative by the University of Exeter designed to promote interdisciplinary research that transcends the boundaries of mathematics, engineering and the biological, medical and physical sciences. Its mission is to analyse living cells and organisms as integrated systems, with the aim of unravelling how diseases disrupt biological processes at the molecular, cellular and organismal level.

The award winning £52m LSI building was opened in autumn 2016 and currently houses 23 Principal Investigators drawn both from newly recruited staff from leading institutions around the world (<https://www.exeter.ac.uk/livingsystems/team/faculty/>) and existing University of Exeter staff. Following our initial round of recruitment, we have established expertise and resources for the analysis of living systems at the nanoscale, using HD-exchange mass spectrometry, X-ray crystallography, cryo-electron-microscopy and nanophotonics. We also have significant strength in quantitative and computational approaches, through the Wellcome Trust ISSF funded Centre for Biomedical Modelling and Analysis (<https://www.exeter.ac.uk/cbma/>), and the EPSRC funded Centre for Predictive Modelling in Healthcare (<http://emps.exeter.ac.uk/mathematics/research/pmh/>), both of which are hosted within the LSI.

Our research focuses on a number of themes including host-microbial interactions, neurodegeneration and behaviour, topics that align with clinical research strengths in diabetes and metabolic disorders, dementia and neurodevelopmental disorders in the Medical School (<https://medicine.exeter.ac.uk/research/biomedicalclinical/>) as well as with research in the Mood Disorders Centre (<http://www.exeter.ac.uk/mooddisorders/>).

Summary of post

The main purpose of this job is to fulfil research, teaching and administration duties as a lecturer or senior lecturer in Living Systems and to contribute to extending the research profile of Living Systems.

Whilst working predominantly in the LSI, the post holder will be a member of one of the University of Exeter's STEMM Colleges: the University of Exeter Medical School; the College of Life and Environmental Sciences; or the College of Engineering, Mathematics and Physical Sciences and will sit within the most appropriate Discipline.

Lecturer

Job Description

Main duties and accountabilities

1. To fulfil research, teaching and administration duties as a lecturer in Living Systems.
2. To extend the research profile of LSI and related areas, especially in the area of study, attracting and supervising post doctorate 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 LSI 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 LSI'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.

Teaching

To deliver mainly 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 general and academic management 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 LSI and Colleges in general and areas relating directly to your discipline.
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

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

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 (or be nearing completion) or equivalent in an area related to the LSI.
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

Senior Lecturer

Job Description

The full job description (role profile) for Senior Lecturer (Education & Research) posts can be found on our website at <http://www.exeter.ac.uk/staff/employment/academicroles/youteachandresearch>. 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.

Research

To contribute to enhancing the quality and quantity of research at Exeter in an area related to the LSI.

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

- Enhance the University of Exeter'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.

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.

Teaching

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

- Knowledge acquired from research translates to teaching
- Accreditation by professional bodies is obtained where appropriate
- Students are challenged but also tutored and supported with individual care
- Teaching and learning techniques are innovative and inspiring
- Students are supervised appropriately
- Assessment criteria are appropriate, and fairly applied with results fed back to students appropriately
- 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:

- Developing overall academic content and structure of modules with colleagues
- Developing ideas for generating income
- Supporting admissions processes and procedures
- Supporting examinations processes and procedures
- Contributing to the work of College committees
- Contributing to accreditation and quality control processes

Person Specification

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

- A PhD or equivalent qualification/experience in the subject or a closely 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.

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.

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.