

College:	College of Medicine & Health
Post:	Associate Professor of Immunology (Education and Research)
Grade:	H
Reference No:	P01302
Reporting to:	Pro Vice Chancellor (PVC) or nominee

This permanent, full time post as an Associate Professor of Immunology is available at the University of Exeter Medical School, College of Medicine & Health, one of the fastest growing medical schools in the UK. This post is part of an expansion which has been funded by a £6 million investment from Research England in the Exeter Diabetes Centre of Excellence as part of 'Expanding Excellence in England' (E3).

The E3 Diabetes Centre of Excellence

The University of Exeter Medical School is renowned for its world leading diabetes research <http://www.exeter.ac.uk/diabetes/>. It is led by Professor Andrew Hattersley, FRS CBE, a world leader in the field who has done highly cited and award-winning research particularly in monogenic diabetes, diagnosis of subtypes and precision medicine. In the past 2 decades expertise in genetics has been built on by world leaders such as Professor Tim Frayling, Professor Sian Ellard OBE, and Associate Professor Michael Weedon. Recently innovative research in Type 1 diabetes from Professor Noel Morgan, Associate Professor Sarah Richardson and Dr Richard Oram has changed views internationally. Exeter are international leaders in Type 2 diabetes therapy response, accurate diagnosis of subtypes and experimental medicine approaches to understand mechanisms. A central feature of diabetes research in Exeter is it aims to be directly clinically relevant. Much of our work has altered diagnosis and treatment throughout the world.

The outstanding world-leading [diabetes research](#), in Exeter was recently recognised in the award of £6 million from Research England as part of 'Expanding Excellence in England.'(E3). The E3 funding will provide a step change in our capacity to research diabetes facilitating expansion into new fields including Immunology, Cell biology, Experimental medicine, Data Science and Artificial intelligence.

We are looking to attract world-class, ambitious, academic staff at all levels, in Immunology who are excited by the opportunity to apply their discipline expertise in novel approaches to investigate diabetes and join our internationally recognized team. We encourage applications from people who have not directly worked in Type 1 diabetes immunology but are keen to develop novel exciting research in this area.

We will build on our international reputation by combining novel approaches, tools and techniques with Exeter's current expertise and distinctive patient resources. Collaboration with other colleagues in the College of Medicine and Health, the Living Systems Institute, Centre for Medical Mycology and Institute for Data Science and Artificial Intelligence is very much encouraged as is the development of external national and international collaborations both academic and with industry.

The University of Exeter Medical School has a proven track record of world-leading research, excellent education and high student satisfaction. Since the creation of a medical school in the south west in 2001, we have seen substantial investment, growth and development, and this trajectory is set to continue as we develop new programmes and recruit world-class researchers.

In education, we specialise in research-led teaching and in developing socially accountable graduates who are collaborative leaders, committed to life-long scholarship for the service of patients and the public. We work closely with our healthcare collaborators in the region, to ensure we are meeting the complex needs of a changing healthcare sector. We are training tomorrow's doctors, scientists and healthcare professionals, and supporting them to be empathic and inquisitive, and to adopt our ethos of putting people first. Medicine at the University of Exeter has entered the top 10 in the Times and The Sunday Times Good University Guide.

Job Description and Person Specification

Summary of post: Immunology

Immunology is a priority for the Diabetes Centre of Excellence and the University of Exeter Medical School. We are keen to develop novel and exciting research into autoimmunity in Type 1 diabetes (T1D) in man by making multiple appointments at different levels. Key areas for new work could include defining the mechanism of unique insights into from Exeter into T1D: the different autoimmune patterns seen in human pancreata close to diagnosis (Morgan, Richardson), the persistence of viral RNA and protein and evidence of a host response to infection in T1D pancreata (Richardson, Morgan), the persistence of a small subset of functioning beta-cells in long term T1D (Oram), Type 1 diabetes in the elderly (Hattersley, Jones) and the description of novel and known monogenic autoimmunity predisposing to early-onset diabetes (Flanagan, Hattersley). The aim will be to develop work on human samples both the unique collection of pancreas samples taken close to diagnosis and long term and samples from patients.

To make progress in human Type 1 diabetes is likely to need novel approaches. We therefore we encourage applications from innovative immunologists either working in Type 1 diabetes at present or from those with experience in other areas of human autoimmunity who may not have worked on Type 1 diabetes but have relevant approaches and techniques. The immunologists will be able to work on novel and pioneering approaches using unique human pancreas samples obtained at the time of diagnosis of type 1 diabetes. Equipment to support applicants includes preferential access to Next Generation Sequencing, state of the art cell sorters and a new high-resolution, automated, digital pathology system. Key collaborators for this post will be the Immunologists led by Professor Gordon Brown in the recently established Centre For Medical Mycology. The ultimate aim is to understand the underlying disease processes in order to understand mechanisms in T1D, to stimulate the development and application of novel immunotherapies and inform the design of new clinical trials.

Associate Professors will engage with and support research and teaching activities. The post holder will be an innovative researcher with a strong and current record of research funding and international quality publications. Therefore the post holder will be a leading international figure with the ability to attract funding and world-class academics to their research group.

The post holder will support a dynamic team in developing and delivering research. The post holder will collaborate with our research centres and individual staff to develop and deliver our research strategy, build research capabilities and support staff in developing their careers. The post holder will have a key role in developing the research culture, and international reputation of the College of Medicine & Health.

Main duties

Teaching and Learning Support

1. Oversee the design and development of the overall curriculum in particular the area(s) outlined above.

2. Design, develop and deliver a range of programmes of study at various levels.
3. Lead the development and clarification of academic standards and quality for the subject area
4. Working closely with the Associate Dean for Education in the development and implementation of teaching and learning strategy.
5. Make a significant contribution to the development of academic policies across the Institution.

Research and Scholarship

1. Support the development and implementation of the research strategy in particular the area(s) outlined above.
2. Lead and co-ordinate research activity in the subject area of the area(s) outlined above.
3. Manage research and other collaborative partnerships with other educational institutions or other bodies.
4. Lead bids for research, consultancy and other additional funds, including leading collaborative bids.
5. Write publications of the appropriate defined standard or disseminate research findings using media appropriate to the discipline.
6. Conduct research into learning and teaching methodologies and disseminate best practice within the Institution and externally.
7. Develop and promote the use of innovative assessment methods.

Liaison and Networking

1. Lead and develop internal and external networks to foster collaboration and share information and ideas and to promote the subject and the Institution.
2. Participate in internal and external networks in relation to research and research funding. Teaching and teaching funding, and consultancy.
3. Promote and market the work of the College in the subject area both nationally and internationally.
4. Contribute to the enhancement of research quality and thinking in the field by being involved in quality assurance and other external decision making bodies.

Managing people and managing resources

1. Act as line manager for matters relating to the employment of staff and ensuring the work is allocated fairly, according to skills and capacity.
2. Carry out the role of an Academic Lead i.e. sustaining a shared sense of direction for the discipline and a shared participation in the University and Colleges' success through engagement with University and College strategies ensuring decisions are taken forward effectively by all staff they lead enabling, supporting and celebrating individual achievement.
3. Take overall responsibility for the organising and deployment of resources within own areas of responsibility

Person Specification

1. Be a leading authority in the area(s) outlined above with an international reputation.

2. Have a PhD or equivalent qualification/experience in the subject or a closely related discipline.
3. Possess in depth knowledge of specialism to enable the development of new knowledge, innovation and understanding in the field.
4. Be recognised as an excellent educator, locally and nationally.
5. Demonstrate enthusiasm for the creation, management and delivery of undergraduate and postgraduate programmes.
6. Possess a thorough understanding of institutional management systems and the wider higher education environment, including equal opportunities issues.
7. Have a strong record in attracting sufficient research and studentship funding to ensure sustainability of the research group.
8. Have a strong record of research outputs of appropriate quality and quantity.
9. Have 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.
10. Ideally be a member of the HEA at Principle Fellow level..

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.

If this opportunity is of interest we would be delighted to hear from you. Please contact Starr Young, Recruitment Lead, to arrange an informal discussion in the first instance at diabetescareers@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.