



ROLE PROFILE

Job Title:	Assistant Professor in Human Physiology and/ or Nutrition (Research and Teaching)
School/Department:	Life Sciences
Job Family and Level:	Research and Teaching Extended Level 5
Contract Status:	Permanent.
Hours of Work:	Full-time (36.25 hours per week)
Location:	School of Life Sciences, Medical School, Queen's Medical Centre
Reporting to:	Head of Division Physiology, Pharmacology and Neuroscience

Purpose of the New Role:

The University of Nottingham seeks applications for a full-time Assistant Professor in Human Physiology and/ or Nutrition to lead a research programme relevant to research strengths in human physiology and nutritional metabolism at the University. The role holder will contribute to teaching on one or more of the Bachelor of Medical Sciences, Bachelor of Sport and Exercise Science, Bachelor of Sports Rehabilitation and Master of Nutrition and Dietetics degrees.

Applications will be particularly welcome from candidates with expertise and skills in the use of stable isotope tracers and mass spectrometry in human volunteer research or in the application of magnetic resonance imaging and/or spectroscopy in the same research arena. The person appointed will be a member of the newly established Research Division of Physiology, Pharmacology and Neuroscience in the School of Life Sciences and will be expected to develop a programme of research that dovetails with current translational research initiatives within the cross-campus Metabolic and Molecular Physiology research group and wider University strategic research structures (MRC/ARUK Centre for Musculoskeletal Ageing, ARUK Centre for Sport, Exercise and Osteoarthritis, ARUK Pain Centre, Sir Peter Mansfield Imaging Centre and the Nottingham NIHR Biomedical Research Centre). They will have access to excellent human imaging, metabolism and physiology research facilities.

The successful applicant will have an already established track record in human physiology and/or nutrition, will be able to demonstrate evidence of having secured independent research funding and will have identified opportunities for the development of new research projects and collaborations within the School and wider University research framework.

The role holder will initially be granted time to concentrate their efforts into developing their research and securing funding, before taking responsibility for the quality of the design and delivery of courses/programmes in order to maintain high teaching standards.

The role holder may have line management responsibilities, including responsibility for the personal development of junior colleagues and PhD students and will contribute to the overall administration of the School.

	Main Responsibilities	% time per year
1.	<ul style="list-style-type: none"> • Be the principal investigator and co-investigator on funding bids which develop and sustain research outputs and support in the field of human physiology, metabolism and/or nutrition in the context of ageing, health and chronic disease. • Contribute to the development of research strategies and initiatives to foster collaboration and generate income in the School of Life Sciences and wider University strategic research structures. • Investigate and devise new research methods, generate new research approaches and contribute generally to an increase in knowledge, understanding, thought development and practice in this field and apply this to research and where appropriate, teaching practice in the School of Life Sciences. • To develop and sustain an international reputation in research through the publication of original research work in leading peer-reviewed national and international research journals. • To present at national/international conferences in the field of human physiology, metabolism and/or nutrition in the context of ageing, health and chronic disease. 	40%
2.	<ul style="list-style-type: none"> • Within an agreed time-frame, contribute to curriculum leadership and development and the delivery of teaching and learning programmes in the School of Life Sciences, principally in one or more of the Bachelor of Medical Sciences, Bachelor of Sport and Exercise Science, Bachelor of Sports Rehabilitation and Master of Nutrition and Dietetics degrees, e.g. through delivery of course modules, practical classes and research projects. 	35%
3.	<ul style="list-style-type: none"> • To provide academic and organisational leadership to those working within the School of Life Sciences and in particular, human metabolism, nutrition and physiology research, by for example, co-ordinating resources and the work of others to ensure the effective delivery of research projects, student practical classes and agreeing objectives and work plans with the team. 	10%
4.	<ul style="list-style-type: none"> • Within an agreed time-frame, assist with administrative duties in areas such as admissions, timetabling, examinations and student attendance. 	5%
5.	<ul style="list-style-type: none"> • To contribute to student recruitment and secure student placements and provide appropriate advice to others involved in this activity. 	5%
6.	<ul style="list-style-type: none"> • Be responsible for the safe conduct of work within work areas and teaching responsibilities, ensuring that the School's arrangements for compliance with the University Safety Policy are implemented. 	5%

Knowledge, Skills, Qualifications & Experience

	Essential	Desirable
Qualifications/ Education	<ul style="list-style-type: none"> • PhD or equivalent in subject area relevant to human physiology and/or nutrition. 	<ul style="list-style-type: none"> • Higher Education teaching qualification or equivalent. • Membership of a professional body where appropriate.
Skills/Training	<ul style="list-style-type: none"> • Track record in research evidenced by publication record of original research in peer reviewed journals in a subject area relevant to human physiology, metabolism and/or nutrition. • Evidence of securing research grant income as an independent researcher. • Excellent oral and written communication skills, including the ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media. • Sufficient breadth and depth of specialist knowledge in human physiology and/or nutrition in the context of exercise, health and chronic disease to develop research programmes and methodologies. 	<ul style="list-style-type: none"> • Evidence of successful consultancy activities and/or delivery of specialist services to external customers/clients.

	<ul style="list-style-type: none"> • Ability to devise, advise on and manage learning and research programmes. • Ability to manage resources and an understanding of management processes. • High level analytical capability to facilitate conceptual thinking, innovation and creativity. • Skills in counselling, pastoral care and motivating students. • Emerging skills in managing and motivating staff. • Ability to build relationships and collaborate with others, internally and externally. 	
Experience	<ul style="list-style-type: none"> • Evidence of research and teaching experience with a growing reputation in the field of human physiology and/or nutrition in the context of exercise, health, ageing and chronic disease, consistent with an international reputation. • Experience in developing and devising new research techniques and methods. • Evidence of publication record of original research in peer reviewed journals. • Experience and demonstrated success in delivering teaching within an agreed quality framework. 	<ul style="list-style-type: none"> • Evidence of the supervision and pastoral care of students at all levels. • Experience achievement and growing reputation in the discipline, reflected in relevant national committee memberships and/or involvement in national research events. • Experience of devising, advising on and managing learning and research programmes.

Additional Information

<p>School of Life Sciences</p> <p>The School of Life Sciences at Nottingham is one of the foremost Life Sciences Schools in the UK. The School has the critical mass, ambition and infrastructure in place to build on its successes. Following a strategic review in the summer of 2016, the School is now entering an exciting and notable period of change, which has seen the development of newly-formed research and education divisions within the School.</p> <p>Research</p> <p>The University of Nottingham's School of Life Sciences (SoLS) provides a vibrant, forward-looking research environment that provides the main focus for biological and biomedical research at the University of Nottingham. SoLS comprises 100 academic staff (Research and Teaching), 21 academic staff (Teaching and Learning focussed), 112 research staff (Incorporating Research Fellows, Senior and Principal Research Fellows), 77 Research Technicians and more than 300 postgraduate students. The School has had Athena SWAN Silver award status since 2014 in recognition of our commitment to supporting and advancing women's careers in the life sciences. It was ranked 9th for Research Power in the REF2014 (within the Biological Sciences Unit of Assessment), with positive feedback provided on the School's exemplary strategic approach to impact and level of interdisciplinarity, as well as national and international collaboration.</p> <p>The academic staff within SoLS have generated income of more than £28 million over the last 2.5 years from a diverse range of funding streams. The largest portion of this funding is from RCUK, notably BBSRC, MRC and NERC. However, the School also has a proportion of charitable funding, key funders include: the Wellcome Trust, Arthritis Research UK, British Heart Foundation, Cancer Research UK and Alzheimer's Research UK. There are also examples of government funding, such as the US (Defence Advanced Projects Agency (DARPA)) and sizeable EU awards, including three ongoing Marie Sklodowska-Curie Innovative Training Networks, three Marie Sklodowska-Curie Individual Fellowships and two collaborative research projects.</p> <p>The breadth of research in the School reflects the importance of cross-cutting, interdisciplinary research within the University. This is further reiterated by strategic initiatives such as the Research Priority Areas (RPAs) and Global Research Themes (GRTs) which underpin the wider University Research agenda. A key RPA in the context of this post is focussed on musculoskeletal health in ageing and wellbeing, which includes the MRC/ARUK Centre for Musculoskeletal Ageing Research, the ARUK Centre for Sport, Exercise</p>
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and Osteoarthritis, the ARUK Pain Centre, the Sir Peter Mansfield Imaging Centre and the recently established NIHR Nottingham Biomedical Research Centre.

Teaching

The overriding aim of teaching and learning in the School of Life Sciences is to provide excellence in education, which is informed by research carried out within the School. The School is home to some 18,500 FTE Foundation, undergraduate and postgraduate taught students across the range of biological and biomedical sciences. We offer undergraduate degrees in Biochemistry, Biology, Genetics, Neurosciences, Tropical Biology and Zoology, with a new BSc in Sport and Exercise Sciences starting in 2018. We have a sister school in Malaysia, where we offer Biomedical Sciences.

We also offer postgraduate taught Masters in Immunology, Microbiology, Molecular Genetics and Diagnostics and Biological Photography. Whilst the School leads on a number of sciences degrees at bachelor and masters level, a substantial contribution is made to the teaching of Medicine and Pharmacy and we also contribute towards the MNut degree. School contributions to the BMedSci medical degree have also led to the development of a new, integrated medical course that started in 2017.

Faculty of Medicine and Health Sciences, University of Nottingham

Comprising of four schools (School of Health Sciences, School of Life Sciences, School of Medicine and the School of Veterinary Medicine and Science) we undertake research across the full range of health and basic sciences. Overall we teach around 6,000 undergraduate and 900 postgraduate taught students, with our courses being recognised for their innovative and exemplary teaching. Our wide-ranging research covers areas from basic sciences to clinical translational research.



The University of Nottingham strongly endorses Athena SWAN principles, with commitment from all levels of the organisation in furthering women's careers. It is our mission to ensure equal opportunity, best working practices and fair policies for all.