ROLE PROFILE

Job Title: Assistant Professor in Human Nutrition and/or Physiology (Research and Teaching)

School/Department: Life Sciences

Job Family and Level: Research and Teaching Extended level 5

Contract Status: permanent contract

Hours of Work: Full-time (36.25 hours per week)

Location: School of Life Sciences, The Medical School, Queen's Medical Centre

Reporting to: Head of Division Physiology, Pharmacology and Neuroscience

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

The person appointed will be a member of the Division of Physiology, Pharmacology and Neuroscience in the School of Life Sciences and will be expected to have a track record of research that dovetails with current translational research initiatives within the cross-campus Metabolic and Molecular Physiology research group that spans Nottingham and Derby Medical School sites, 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).

Furthermore, candidates will be expected to demonstrate how their current track record in research can be further developed to augment human nutrition and/or physiology research in Nottingham. They will have access to excellent human imaging, metabolism and physiology research facilities. Candidates who have experience in this research area using animal models and wish to translate their research to the human condition will also be considered.

The successful applicant will already have established a track record in human nutrition and/or physiology, will be able to show 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 have time to concentrate efforts into developing their research and securing funding, but eventually will take responsibility for the quality of the design and the delivery of courses/programmes to maintain high teaching standards.

The role holder may have line management responsibilities including responsibility for the professional development of junior colleagues and PhD students and contribute to the overall administration of the School.
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<th>Main Responsibilities</th>
<th>% time per year</th>
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<td>1. To develop and sustain a international reputation in research through publication of original research work in leading peer-reviewed national and international research journals, and presentation at national/international conferences in the field of human nutrition, metabolism and/or physiology, in the context of ageing, health and chronic disease. 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.</td>
<td>40%</td>
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<td>2. 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, and principally in one or more of the Master of Nutrition and Dietetics, Bachelor of Medical Sciences, Bachelor of Sport and Exercise Science, and Bachelor of Sports Rehabilitation degrees, e.g. through delivery of course modules, practical classes and research projects.</td>
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<td>3. To provide academic and organisational leadership to those working within the School of Life Sciences and, in particular, human nutrition, metabolism 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.</td>
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<td>4. Within an agreed time-frame, assist with administrative duties in areas such as admissions, timetabling, examinations, student attendance.</td>
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<td>5. To contribute to student recruitment and secure student placements and provide appropriate advice to others involved in this activity.</td>
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<td>6. 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.</td>
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<th>Knowledge, Skills, Qualifications &amp; Experience</th>
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<td><strong>Essential</strong></td>
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<td>Qualifications/Education</td>
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- Sufficient breadth and depth of specialist knowledge in human nutrition and/or physiology in the context of exercise, health and chronic disease to develop research programmes and methodologies.
- 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**

- 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.

- 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

**School of Life Sciences**

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.

**Research**

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 focused), 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
Silver SWAN 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.

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 Research Projects Agency (DARPA)) and sizeable EU awards, including three ongoing Marie Skłodowska-Curie Innovative Training Networks, three Marie Skłodowska-Curie Individual Fellowships and two collaborative research projects.

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 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 1,850 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 Science 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 science 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 starting in 2017.

Appendix

Nottingham
Central within the East Midlands, Nottingham is a vibrant and prosperous city with something to offer everyone. It is one of the UK’s leading retail centres and has a huge variety of restaurants, bars and nightclubs which attract people from all over the UK. Culturally, it has good theatres, an arena which attracts both national and international performers and a range of historical interests relating to subjects such as the lace industry, Lord Byron and DH Lawrence. Nottingham is also known for sport, being the home of Trent Bridge Cricket Ground, Nottingham Forest and Notts County Football Clubs, the National Water Sports Centre and the Nottingham Tennis Centre. There is a good network of roads with easy access to the M1 and the A1, a fast frequent rail service to London and other major cities. Nottingham East Midlands Airport is only eighteen miles away.

The city is set within a county of outstanding natural beauty which includes Sherwood Forest, Wollaton Park, lively market towns and wonderful historic buildings. Housing is relatively inexpensive and, in addition to the two Universities, there are excellent schools and colleges available.

To find out more about Nottingham, use the following links:

Nottingham County Council – Tourism http://www.experiencenottinghamshire.com/
University of Nottingham http://www.nottingham.ac.uk
Zoopla (Guide to local properties) http://www.zoopla.co.uk/

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.
The University of Nottingham
The University of Nottingham is a global-leading, research-intensive university with campuses in the UK, Malaysia and China. Our reputation for world-class research has yielded major scientific breakthroughs such as Nobel-winning MRI techniques, drug discovery, food technologies and engineering solutions for future economic, social and cultural progress.

Already ranked among the UK’s elite universities and global polls for research excellence, our reputation for world-class research has been further enhanced with the 2014 results of the Research Excellence Framework (REF).

In addition to scoring highly in quality rankings covering major disciplines in science, engineering, the social sciences, medicine, business and the arts, it is Nottingham’s research power rankings which demonstrate the impressive volume of excellent research which is carried out. We are now ranked 8th in the UK on a measure of ‘research power’ which takes into account both the quality of research and the number of research-active staff who made REF returns, confirming Nottingham’s place in the top tier of the world’s elite higher education institutions.

The main University campus is set beside a lake, in an extensive belt of woodland, parks and playing fields. The 330 acre University Park Campus is the focus of life for more than 32,000 students and houses the majority of the University’s academic schools and many of the central Services. The Jubilee campus is situated 2 miles away from the University Park, and provides extra capacity. The University Medical School is situated next to the University Park. Together with the University Hospital, it forms the Queen’s Medical Centre (QMC).

University of Nottingham Medical School
Nottingham has a strong reputation for both clinical medicine and teaching. As one of the most popular medical schools in the country, it is able to select excellent students and produce and attract good junior doctors.

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.