

PhD Research Project

To determine the role of hyperglycaemia and inflammation in the metabolic adaptations to various treatments in models of type 2 diabetes.

Institution:	University of Birmingham
Dept/School/Faculty:	School of Sport, Exercise and Rehabilitation Sciences
PhD Supervisor:	Dr T Solomon
Application Deadline:	Friday, August 28, 2015
Funding Availability:	Funded PhD Project (Students Worldwide)

email telephone apply online
 [PhD Research Project](#)

A three-year funded Ph.D. studentship is available in the group of Dr Thomas Solomon at the School of Sport, Exercise, and Rehabilitation Sciences at the University of Birmingham. **UNIVERSITY OF BIRMINGHAM**

We are seeking a talented, motivated, and hard-working individual to join an integrative metabolism group. The overall aim of the PhD project will be to determine the role of hyperglycaemia and inflammation in the metabolic adaptations to various treatments in models of type 2 diabetes.

The successful candidate will have a Masters degree in physiology, biomedical sciences, biochemistry, or exercise physiology. The candidate should also have a good knowledge of integrative physiology, and preferably a strong interest in inflammation, glucotoxicity, islet biology, and/or type 2 diabetes.

The student will be trained in basic human physiological methods for measuring body composition, oxygen consumption, and glucose metabolism, as well biochemical techniques such as PCR, Western blotting, and ELISA/RIA, and cell culture methods. Although previous experience with these techniques will be an advantage, a desire to learn will be viewed favourably.

The candidate must be highly-motivated and a good team player with a strong desire for career development. She/he will be expected to work independently on assigned projects following supervision and training. Written and oral communication skills will be developed, but experience of knowledge dissemination through publications, departmental seminars, or scientific conferences will be an advantage.

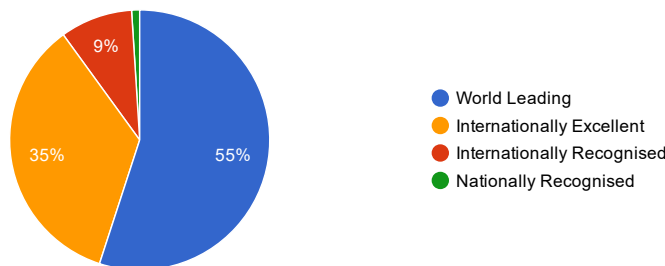
The successful candidate will report to, and be supervised by, the principle investigator, Dr Thomas Solomon.

Funding Notes:

In order to apply please click the "Apply online" link which will take you to the School's postgrad research page. Here you should click on the "Apply to study here" button on the right hand side to access the programmes page at the University. Then click "apply now" next to the PhD in School of Sport and Exercise Sciences, Full time research, 2015/16 section. This will take you to the application page where you can log-in or create an account to apply for the project.



How good is research at University of Birmingham in Sport and Exercise Sciences, Leisure and Tourism?



FTE Category A staff submitted: 34.40

Research output data provided by the Research Excellence Framework (REF)

[Click here to see the results for all UK universities](#)