



Cardiff University
School of Psychology

Studentship Title:	PhD studentship in the School of Psychology
Research Area/ Project Title:	General principles of perceptual processing across the senses
Location:	School of Psychology
Expected Start Date:	1 st October 2017
Duration:	3 years
Deadline for Application:	28 th February 2017

Description of Research Opportunity:

Perception is not exclusively driven by sensory input but is shaped by expectation, knowledge, and experience (so-called priors). In the last two decades, this insight has been formalised in the context of Bayesian models of perception. Using such models, priors can be indirectly estimated by examining systematic biases in perception. This PhD project aims to develop and use novel measures of Bayesian priors to investigate how they vary across individuals and across the senses. In particular, the project focuses on the extent to which certain priors generalise across vision and hearing. Our labs are equipped with state-of-the-art facilities for psychophysical testing of vision and hearing, as well as the measurement of eye and head movements. There will be an opportunity to use computational methods. (for more detail, please contact freeman@cardiff.ac.uk or teufelc@cardiff.ac.uk)

Award:

The studentships will commence in October 2017, and will cover your tuition fees (at UK/EU level) as well as a maintenance grant. In 2016-17 the maintenance grant for full-time students was £14,296 per annum. As well as tuition fees and a maintenance grant, all School of Psychology students receive conference and participant money (approx. £2250 for the duration of the studentship). They also receive a computer and office space, additional funding for their research, and access to courses offered by the University's Doctoral Academy and become members of the University Doctoral Academy.

Eligibility:

Full awards (fees plus maintenance stipend) are open to UK Nationals, and EU students. International students will typically be eligible for a UK/EU equivalent award only. School studentship funding is highly competitive. In view of the limited number of awards and the very high standard of applications received, successful applicants are likely to have a very good first degree (a First or Upper Second class BSc Honours or equivalent).

Requirements:

We are looking for an enthusiastic, motivated, and innovative individual with an excellent degree in psychology, biology, neuroscience, or engineering/computer science. Some research experience in experimental psychology and programming skills (e.g., C/Java/Matlab/Python) are desirable but not essential as long as you have the enthusiasm and aptitude to learn.

How to apply:

You can apply online - consideration is automatic on applying for a PhD in Psychology, with an October 2017 start date (programme code RFPDPSYA).

Please use our online application service at

www.cf.ac.uk/regis/general/applyonline/index.html

and specify in the funding section that you wish to be considered for School funding.

Please specify that you are applying for this particular project.

Application deadline: February 28th 2017 with interviews (either in person or by Skype) being held in April/May.

General Information:

We are based both at the School of Psychology (<http://psych.cf.ac.uk/>) and the Cardiff University Brain Research Imaging Centre (<http://sites.cardiff.ac.uk/cubric/>). The School of Psychology at Cardiff is one of the largest and strongest in the UK. In the 2014 research excellence framework, Cardiff was one of the UK's top three universities for its world-leading research in psychology, psychiatry and neuroscience. The School and the Imaging Centre have state-of-the art testing facilities, a world-class community of perception researchers / cognitive neuroscientists and a thriving postgraduate research group.

Cardiff is the youngest capital city in Europe and the fastest growing in the UK. It plays host to many national and international sporting events at the Millennium Stadium (<http://www.millenniumstadium.com/>). Culturally, the city is thriving, with the Wales Millennium Centre (<http://www.wmc.org.uk/>) in Cardiff Bay. Cardiff is in very close proximity to the beautiful Welsh countryside (<http://www.breconbeacons.org/>), has a two hour rail link to London and a (cheap) one hour air link to Paris and Amsterdam (<http://www.cardiffairportonline.com/>)

Please address any informal enquiries to:

Name:	Prof. Tom Freeman
Email:	freemant@cardiff.ac.uk
Phone:	

For further information please contact:

Postgraduate Research Enquires	
Email:	Psych-PhD@cardiff.ac.uk
Phone:	+44 (0)29 208 75381
Address:	Mrs Clair Southard

School of Psychology
Cardiff University
Tower Building, Park Place
Cardiff
CF10 3AT