Post Specification

Post Title:	Postdoctoral Research Fellow in Computational Psychiatry
Post Status:	Fixed term contract, 3 years full-time
Research Group/ Department/School:	Trinity College Institute of Neuroscience and School of Psychology
Location:	Trinity College Institute of Neuroscience and School of Psychology, Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland
Reports to:	Principal Investigator or Head of School
Salary:	Appointment will be made on the Post-Doctoral Researcher Level 2 salary scale at a point in line with Government Pay Policy (€35,488 - €46,255 per annum)
Closing Date and Time:	12 Noon on January 30th, 2017

Post Summary

Applications are invited for the role of a Postdoctoral Research Fellow in the laboratory of Dr. Claire Gillan, based at the Trinity College Institute of Neuroscience.

The postdoctoral fellow will have the opportunity to take a leading role in a recently funded MQ grant aimed at predicting antidepressant response in a large clinical sample, using state-of-the-art cognitive tests, computational modelling, machine learning and web-based data collection.

It is hoped that on completion of this post, the postdoctoral fellow will have gained the organisational, technical and leadership skills necessary for making the transition to Principal Investigator of their own laboratory.

Standard duties and Responsibilities of the Post

The successful applicant will have responsibility for the day to day running of an ambitious 3-year project, including:

- initial design of the study
- programming of web-based experiments
- e-recruitment
- implementation and monitoring of the protocol
- data analysis (incl. machine learning, computational modelling)
- dissemination of results (publication and conference presentation)

Funding Information

The position is funded by a fellowship from MQ mental health awarded to Claire Gillan.

Person Specification

Qualifications

- Applicants should have a PhD in psychology, cognitive neuroscience, computer science or a related discipline.
- Candidates with expertise in more than one of these areas are particularly desirable, as are those with experience in psychiatric research.

Knowledge & Experience (Essential & Desirable)

- The candidate must have strong analytic skills, be proficient in programming (Matlab, Python or R). (Essential)
- Experience with large datasets, logistically complex projects, computational modelling and web-based experimentation (e.g. Javascript) are a strong plus. (Desirable)

Skills & Competencies
- The ideal candidate will be reliable, highly motivated and productive, and enjoy working collaboratively

Further Information for Candidates

URL Link to School	www.tcd.ie
URL Link to Research Group	www.gillanlab.com
URL Link to Human Resources	www.tcd.ie/hr

For more information on the Trinity College Institute of Neuroscience see: https://www.tcd.ie/Neuroscience/

Trinity College Dublin, the University of Dublin

Founded in 1592, Trinity is at the nexus of tradition and innovation, offering undergraduate and postgraduate programmes across 24 schools and three faculties: arts, humanities, and social sciences; engineering, maths and science; and health sciences. Spread across 47 acres in Dublin's city centre, Trinity's 17,000-strong student body comes from all 32 counties of Ireland, and 16% of students come from outside the country. Of those, 40% are from

outside the European Union, making Trinity's campus cosmopolitan and bustling, with a focus on diversity.

As Ireland's leading university, the pursuit of academic excellence through research and scholarship is at the heart of the Trinity education. Trinity is known for intellectual rigour, excellence, interdisciplinarity, and research-led teaching. Home to Nobel prize-winners such as scientist Ernest Walton and writer Samuel Beckett, Trinity draws visitors from across the world to its historic campus each year, including to the Book of Kells and Science Gallery which capture the university's connection to both old and new.

Trinity accounts for one-fifth of all spin-out companies from Irish higher education institutions, helping to turn Ireland into an innovation-intensive, high-productivity economy. That culture of innovation and entrepreneurship is a defining characteristic of our campus as we help shape the next generation of job creators.

Trinity has developed significant strength in a broad range of research areas, including the 19 broadly based multi-disciplinary thematic research areas.

TRINITY'S RESEARCH THEMES

AGEING
CANCER
CREATIVE ARTS PRACTICE
CREATIVE TECHNOLOGIES
DIGITAL HUMANITIES
GENES & SOCIETY
IDENTITIES IN TRANSFORMATION
IMMUNOLOGY, INFLAMMATION AND INFECTION
INCLUSIVE SOCIETY

INTERNATIONAL DEVELOPMENT
INTERNATIONAL INTEGRATION
INTELLIGENT CONTENT & COMMUNICATIONS
MANUSCRIPT, BOOK AND PRINT CULTURES
MAKING IRELAND
NANOSCIENCE
NEUROSCIENCE
NEXT GENERATION MEDICAL DEVICES
TELECOMMUNICATIONS
THE SMART AND SUSTAINABLE PLANET

Ireland's first purpose-built nanoscience research institute, CRANN, houses 150 scientists, technicians and graduate students in specialised laboratory facilities. Meanwhile, the state-of-the-art Biomedical Sciences Institute is carrying out breakthrough research in areas such as immunology, cancer and medical devices.

The Old Library, which houses the Long Room, in Trinity is the largest research library in Ireland, with a collection of six million printed items, 500,000 maps, 80,000 electronic journals, and 350,000 electronic books. Some of the world's most famous scholars are graduates of Trinity, including writer Jonathan Swift, dramatist Oscar Wilde, philosopher George Berkeley, and political philosopher, and political theorist Edmund Burke. Three Trinity graduates have become Presidents of Ireland - Douglas Hyde, Mary Robinson and Mary McAleese.

Trinity is the highest ranked university in Ireland, and among the world's leading higher education institutions.

Trinity College Dublin World University Rankings
Overall

- Trinity is Ireland's No.1 University in the QS World University Ranking, THE World University Ranking and the Academic Ranking of World Universities (Shanghai).
- Trinity is ranked 71st in the World and 21st in Europe in the 2013/2014 QS World University Ranking across all indicators.

Internationalisation

- Trinity is ranked 44th in the World in the Times Higher Education Top 100 Most International Universities.
- Trinity is 46th in the World in the QS World University Ranking 2013/2014 in terms of International Faculty.

Research Performance

- Trinity College Dublin is ranked in the top 70 universities in the world in the Times Higher Education Ranking of World Universities in terms of overall research and in the top 75 universities in the world in terms of citations (research impact).
- Trinity College Dublin is 80th in the World and 27th in Europe in the 2014 Leiden University Ranking of World Universities based on research performance alone.
- Trinity is ranked in the top 70 universities in the world in the Times Higher Education Ranking of World Universities in terms of overall research and in the top 75 universities in the world in terms of citations (research impact).
- Trinity ranks in the top 1% of research institutions in the world in the following 17 Essential Science Indicators fields (an increase of over

150% from 2004): Physics, Chemistry, Engineering, Social Sciences (General), Immunology, Neurosciences, Nanosciences, Materials Science, Pharmacy and Toxicology, Molecular Biology and Genetics, Biology and Biochemistry, Microbiology, Plant and Animal Science, Clinical Medicine, Agriculture, Psychiatry/Psychology, Environment/ Ecology.

In the QS Faculty Rankings 2015*
- Trinity is ranked 63rd in the world in Arts and Humanities.
- Trinity is ranked 69th in the world in Life Sciences and Medicine.
- Trinity is ranked 89th in the in Social Sciences and Management.

In the QS Subject Rankings 2015**
- Trinity College Dublin features in the world's elite (Top 200) institutions in 25 of the 28 subjects in which it was evaluated by the QS World University Rankings by Subject 2015. Of these, Trinity ranks in the top 100 in the world in 14 subjects and in the top 5 in the world in 5 subjects.

Top 50
- Trinity is ranked 32nd in the world in English Language and Literature.
- Trinity is ranked 33rd in the world in Politics and International Studies.
- Trinity is ranked 39th in the world in History.
- Trinity is ranked 48th in the world in Biological Sciences.
- Trinity is ranked 49th in the world in Modern Languages.

Top 100
- Trinity is in the top 100 in the world in Chemistry.
- Trinity is in the top 100 in the world in Computer Science and Information Systems.
- Trinity is in the top 100 in the world in Education.
- Trinity is in the top 100 in the world in Geography.

- Trinity is in the top 100 in the world in Law.
- Trinity is in the top 100 in the world in Medicine.
- Trinity is in the top 100 in the world in Pharmacy and Pharmacology.
- Trinity is in the top 100 in the world in Philosophy.
- Trinity is in the top 100 in the world in Psychology.

Trinity subjects ranked in the world top 101-200 (QS Subject Ranking 2015)

Subject	Trinity Rank
Accounting and Finance	101-150
Business and Management Studies	101-150
Economics and Econometrics	101-150
Linguistics	101-150
Physics and Astronomy	101-150
Sociology	101-150
Engineering - Civil and Structural	151-200
Engineering – Electrical	151-200
Engineering – Mechanical	151-200
Environmental Sciences	151-200
Mathematics	151-200

* QS 'Faculty' Rankings 2015: www.topuniversities.com/faculty-rankings

** QS Subject Rankings 2015: www.topuniversities.com/subject-rankings

Pension Entitlements

This is a pensionable position and the provisions of the Public Service Superannuation (Miscellaneous Provisions) Act 2004 will apply in relation to retirement age for pension purposes. Details of the relevant Pension Scheme will be provided to the successful applicant.

Applicants should note that they will be required to complete a Pre-Employment Declaration to confirm whether or not they have previously availed of an Irish Public Service Scheme of incentivised early retirement or enhanced redundancy payment. Applicants will also be required to declare any entitlements to a Public Service pension benefit (in payment or preserved) from any other Irish Public Service employment.

Applicants formerly employed by the Irish Public Service that may previously have availed of an Irish Public Service Scheme of Incentivised early retirement or enhanced redundancy payment should ensure that they are not precluded from re-engagement in the Irish Public Service under the terms of such Schemes. Such queries should be directed to an applicant's former Irish Public Service Employer in the first instance.

Employment Permit Eligibility Criteria

Applications from non-EEA citizens are welcomed. However, eligibility is determined under the relevant regulations of the Department of Jobs, Enterprise and Innovation. Trinity, as an accredited research organisation, can form Hosting Agreements with third country nationals (Non-EEA nationals) for the purposes of conducting research in the University. Non-EEA candidates should note that the onus is on them to secure a visa to travel to Ireland prior to interview. Non-EEA candidates should also be aware that even if successful at interview, an appointment to the post is contingent on the securing of a Hosting Agreement or Employment Permit as appropriate. See https://www.djei.ie/en/What-We-Do/Research-Innovation/Hosting-Agreement-Scheme/

Equal Opportunities Policy

Application Procedure

Candidates should submit a cover letter with a brief description of past research accomplishments as well as future research interests and career goals together with a full curriculum vitae to include the names and contact details of 2 referees (email addresses if possible) to:

Name: Dr Claire Gillan

Title: Assistant Professor of Psychology

Email Address: claire.gillan@tcd.ie

TRINITY COLLEGE DUBLIN, THE UNIVERSITY OF DUBLIN IS AN EQUAL OPPORTUNITIES EMPLOYER