

# TRICIA X.F. SEOW

Max Planck UCL Centre for Computational Psychiatry and Ageing Research  
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## EDUCATION

**PhD in Psychology, Trinity College Dublin, Ireland** 2017 - 2020  
Supported by TCD Postgraduate Ussher Fellowship

**Msci Neuroscience, University College London, United Kingdom** 2011 - 2015  
Graduated First Class Honours

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## RESEARCH EXPERIENCE

**Max Planck UCL Centre for Computational Psychiatry and Ageing Research, University College London, United Kingdom** 2020 - present  
*Research Fellow* - Supervisor: Dr Tobias Hauser

**Dept. of Psychology, Trinity College Dublin, Ireland** 2017 - 2020  
*Graduate Researcher* - Supervisor: Dr Claire Gillan  
Project title: The Neurocognitive Correlates of Compulsivity

**Wellcome Trust Centre for Neuroimaging, University College London, United Kingdom** 2015 - 2016  
*Research Assistant* - Supervisor: Dr Stephen Fleming  
Project area: Metacognition and Visual Consciousness

**Wellcome Trust Centre for Neuroimaging; University College London, United Kingdom** 2014 - 2015  
*Undergraduate Researcher* - Supervisor: Dr Laurence Hunt  
Project title: Choice Dynamics with MEG

**Institute of Cognitive Neuroscience, University College London, United Kingdom** 2013 - 2014  
*Intern* - Supervisor: Dr Raphael Köster & Professor Emrah Düzel  
Project area: Emotion and Decision Making

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## Honours & Awards

Sir Henry Wellcome Postdoctoral Fellowship	2022
Guarantors of Brain Travel Award for BAP 2019	2019
Trinity College Travel Grant for SOBP 2019	2019
Guarantors of Brain Travel Award for SFN 2017	2017
TCD Postgraduate Ussher Fellowship	2017
The Dean's List – UCL Faculty of Life Sciences (Year Four)	2015
Burnstock Prize (Best overall Year Three performance)	2014
The Dean's List – UCL Faculty of Life Sciences (Year Three)	2014
The Dean's List – UCL Faculty of Life Sciences (Year Two)	2013

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## PUBLICATIONS

<b>A. M. Loosen, T. X.F. Seow and T.U. Hauser.</b> Consistency within change: Evaluating the psychometric properties of a widely-used predictive-inference task. <i>PsyArXiv</i>	2022
<b>T. X.F. Seow*, M. Rouault*, C. M. Gillan and S. M. Fleming.</b> Correspondence: Computational approaches are compatible with the depth and breadth of metacognition. <i>Biological Psychiatry</i> , 91(8), pp 33-34. doi: 10.1016/j.biopsych.2021.11.005	2022
<b>T. X.F. Seow, and T. U. Hauser.</b> Reliability of web-based affective auditory stimulus presentation. <i>Behaviour Research Methods</i> . doi: 10.3758/s13428-021-01643-0	2021
<b>T. X.F. Seow*, M. Rouault*, C. M. Gillan and S. M. Fleming.</b> How local and global metacognition shape mental health. <i>Biological Psychiatry</i> , 9(7), pp 436-446. doi: 10.1016/j.biopsych.2021.05.013	2021
<b>T. X.F. Seow, E. Benoit, C. Dempsey, M. Jennings, A. Maxwell, O'Connell, R., and C. M. Gillan.</b> Model-based learning deficits in compulsivity are linked to faulty representations of task structure. <i>Journal of Neuroscience</i> , 1(30), pp 6539-6550. doi: 10.1523/JNEUROSCI.0031-21.2021	2021
<b>T. X.F. Seow, E. Benoit, C. Dempsey, M. Jennings, A. Maxwell, M. McDonough and C. M. Gillan.</b> Null results from a dimensional investigation of error-related negativity (ERN) and self-reported psychiatric symptoms. <i>International Journal of Psychophysiology</i> , 158, pp 340-348. doi: 10.1016/j.ijpsycho.2020.09.019	2020
<b>C. M. Gillan and T. X.F. Seow.</b> Carving out new transdiagnostic dimensions for research in mental health. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 5(10), pp 932-934. doi: 10.1016/j.bpsc.2020.04.013	2020

- T. X.F. Seow and C. M. Gillan.** Transdiagnostic phenotyping reveals a host of metacognitive deficits implicated in compulsivity. *Scientific Reports* 10, 2883, doi: 10.1038/s41598-020-59646-4 2020
- D. Rahnev et al., [including T. X.F. Seow].** The confidence database. *Nature Human Behaviour*, pp 1-8. doi: 10.1038/s41562-019-0813-1 2020
- T. Seow and S. M. Fleming.** Perceptual sensitivity is modulated by what others can see. *Attention, Perception & Psychophysics* 81(6), pp 1979-1990. doi: 10.3758/s13414-019-01724-5 2019
- M. Rouault\*, T. Seow\*, C. M. Gillan and S. M. Fleming.** Psychiatric symptom dimensions are associated with dissociable shifts in metacognition but not task performance. *Biological Psychiatry* 84(6), pp 443-451. doi: 10.1016/j.biopsych.2017.12.017 2018
- R. Koster, T. X. Seow, R. J. Dolan and E. Düzel.** Stimulus novelty energises actions in the absence of explicit reward. *PLoS One* 11(7): e0159120. doi: 10.1371/journal.pone.0159120 2016

**\*First author equal contribution**

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## CONFERENCES, SEMINARS, WORKSHOPS

- Talk:** Challenges and new approaches in Cognitive Computational (neuro)Psychiatry 2021, Virtual Symposium 2021
- Workshop:** Computational Modelling in Development, FLUX 2021, Online Meeting 2021
- Talk:** British Association for Psychopharmacology 2021, Online Meeting 2021
- Poster:** Symposium on Biology of Decision Making 2021, Paris, France 2021
- Talk:** Computational Psychiatry Seminar, Max Planck UCL, London, UK 2020
- Poster:** Society for NeuroEconomics 2019, Dublin, Ireland 2019
- Poster:** British Association for Psychopharmacology 2019, Manchester, UK 2019
- Poster:** Society for Biological Psychiatry 2019, Chicago, IL, US 2019
- Talk:** Frikio Seminar Series, Max Planck, Tübingen, Germany 2019
- MQ Mental Health Science Meeting, London, UK 2018
- Poster:** Society for Neuroscience 2017, Washington DC, US 2017
- Computational Psychiatry Course, ETH, Zurich 2017
- Symposium: Advances in computational neuroimaging, UCL, UK 2016
- BBK Workshop on Decision-Making, UCL, UK 2015

German Center for Neurodegenerative Diseases (DZNE) Opening Symposium & Institute for Cognitive Neurology and Dementia Research (IKND) Retreat, Magdeburg, Germany	2014
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## COMMUNITY INVOLVEMENT

Co-supervision of Brain and Mind Science Msc student	2022
ECR representative for UCL IoN EDI committee	2021 - present
In2research Programme Mentor	2020 - 2021
Technical Support for TCD GBHI Atlantic Fellows classes	2019
Teaching Assistant for R Programming Workshop at TCD GBHI	2019
Peer reviewer for 8 Journals	2018 - present
Co-supervised undergraduate psychology students (5)	2017 - 2018
TCD Neuroscience Society – Ordinary Committee Member	2017 - 2018

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