

Jörn Alexander Quent, M.Sc.

PhD student at University of Cambridge

MRC Cognition and Brain Sciences Unit · 15 Chaucer Road Cambridge CB2 7EF, UK

✉ Alex.Quent@mrc-cbu.cam.ac.uk 🌐 [jaquent](https://jaquent.com) 🌐 jaquent.me | Updated: February 23, 2021

Education

<i>University of Cambridge</i> (UK), PhD in Biological Sciences at MRC CBU Supervisor: Rik Henson College: Clare Hall	since 2017
<i>Ruhr-University Bochum</i> (GER), M.Sc. Psychology and Cognitive Neuroscience	2015 - 2017
<i>University of Nebraska - Omaha</i> (US), Term abroad in Psychology	2014
<i>Ruhr-University Bochum</i> (GER), B.Sc. Psychology	2012 - 2015

Grants, Scholarships & Honors

<i>Grindley Grant</i> to travel to Beijing (China)	2019
Experimental Psychology Society (cancelled due to the pandemic)	
<i>Gates Cambridge Scholarship</i> Melinda and Bill Gates Foundation, USA	since 2017
<i>University of Nebraska – Omaha’s Chancellor’s list</i> <i>Scholarship for a term abroad</i>	2014
Mid-American Universities International (MAUI), USA	2014
<i>Full student scholarship</i> Hans-Böckler Foundation, Germany	2014 - 2017

Publications

Journal Articles

- Quent, J. A.**, Henson, R. N., Greve, A. (2021). A predictive account of how novelty influences declarative memory. *Neurobiology of Learning and Memory*. <https://doi.org/10.1016/j.nlm.2021.107382>
- Quent, J. A.**, Henson, R. N. (Registered Report Stage 1 acceptance). The effect of a novel immersive virtual reality experience on memory for unrelated information: modulations by encoding task and retrieval quality. *Quarterly Journal of Experimental Psychology*.
- Goodrich, R. I., Baer, T. L., **Quent, J. A.**, & Yonelinas, A. P. (2019). Visual working memory impairments for single items following medial temporal lobe damage. *Neuropsychologia*, 134. <http://doi.org/10.1016/j.neuropsychologia.2019.107227>
- Quent, J. A.**, McCullough, A. M., Sazma, M., Wolf, O. T., & Yonelinas, A. P. (2018). Reward anticipation modulates the effect of stress-related increases in cortisol on episodic memory. *Neurobiology of Learning and Memory*, 147, 65–73. <https://doi.org/10.1016/J.NLM.2017.11.007>

Talks

<i>Power Between the People: Bayesian Sequential Designs</i> Methods day University of Cambridge	30th November 2020
--	--------------------

- MRC Cognition and Brain Sciences Unit
https://www.youtube.com/watch?v=mF-MPO_jWo
Plan to produce strong evidence: Bayesian Sequential Designs 8th September 2020
 Open Research Working Group (ORWG) virtual meeting hosted by British Neuroscience Association
 Link: https://www.youtube.com/watch?v=FGaxLQ_o8D4
- Bayesian Sequential Designs* 29th July 2020
 Open Science Day
 University of Cambridge
 MRC Cognition and Brain Sciences Unit
- Bayesian multilevel models* 11th November 2019
 Imaging Interest Group
 University of Cambridge
 MRC Cognition and Brain Sciences Unit
 Link: <https://osf.io/f56bw/>
- Using immersive virtual reality to examine the U-shaped relationship between schema and memory performance* 15th May 2019
 Wednesday Lunch Time Seminar
 University of Cambridge
 MRC Cognition and Brain Sciences Unit
- Using immersive reality to examine the U-shaped relationship between schema and memory performance* 4th April 2019
 Cambridge Memory Meeting
 University of Cambridge
- U-shaped relationship between object-location expectancy and memory performance in an immersive reality environment* 3rd Jan 2019
 Annual meeting of the Experimental Psychology Society
 London
- Open notebooks in cognitive neuroscience* 20th Nov 2018
 Open Science Day
 University of Cambridge
 MRC Cognition and Brain Sciences Unit
 Link: https://www.youtube.com/watch?v=jKmv3-Nk8iE&ab_channel=MRCCBU
- Using RMarkdown to create scientific manuscripts* 5th Dec 2017
 Methods day
 University of Cambridge
 MRC Cognition and Brain Sciences Unit
- Interaction between reward anticipation and stress hormone during memory formation* 1st Nov 2017
 Gates Cambridge internal symposium
- Reward anticipation modulates the effect of cortisol on memory* 1st Jan 2017
 Research colloquium "Cognitive Psychology and Psychoneuroendocrinology"
 Ruhr-University Bochum
 Faculty of Psychology

Posters

- Quent, J. A.**, Henson, R. N. (April 4, 2019). Using hydrocortisone to modulate the U-shape between expectancy and memory. *BNA 2019 Festival of Neuroscience*, Dublin (Ireland).

- Quent, J. A.**, Meyer, M. Ros, T., Kuchinke, L. (May 31, 2018). Reading prevails: automatic word recognition in a single-letter Stroop task. *Psychologie und Gehirn 2018*, Gießen (Germany).
- Meyer, M., Manrique Aristizabal, J. A., **Quent, J. A.**, Crawford, B., & Vuilleumier, P. (May 11, 2018). Regulating With The Mind's Eye: The Link Between Mental Imagery And Emotion Regulation. 36. *Symposium der Fachgruppe Klinische Psychologie und Psychotherapie der DGPs*, Landau (Germany).
- Quent, J. A.**, McCullough, A. M., Sazma M., Wolf O. T., Yonelinas A. P. (March 12, 2018). Tag-and-capture theory in light of reward anticipation and post-encoding stress. *Cambridge Neuroscience Seminar 2018*, Cambridge (United Kingdom).

Theses

- Reward anticipation modulates the effect of cortisol on memory*, M.Sc. 2017
Supervisors: Oliver T. Wolf & Uta Wiemers
Grade: 1.0
- Reading prevails: the electrophysiological signature of semantic access in a Stroop task*, B.Sc. 2015
Supervisors: Lars Kuchinke & Marcel Meyer
Grade: 1.0

Research Experience & Employment

- Visiting scholar*, UC Davis 2016
Department of Psychology
Human Memory Lab
Supervisor: Andrew Yonelinas
- Research assistant*, Ruhr-University Bochum 2016
Supervisors: Lars Kuchinke & Marcel Meyer
- Undergraduate research assistant*, Ruhr-University Bochum 2015
Supervisor: Oliver T. Wolf
- Undergraduate research assistant*, Ruhr-University Bochum 2015
Supervisor: Lars Kuchinke
- Internship*, St. Joseph Hospital Bochum 2014
Neurological Clinic of the Ruhr-University Bochum
Supervisor: Christian Prehn

Teaching

- Undergraduate supervisor*, PBS4: Psychology and Cognitive Neuroscience 2019/2020
University of Cambridge
Corpus Christi College
- Tutor*, Neuroscience 2019
Oxford Summer Courses
- Undergraduate supervisor*, PBS4: Psychology and Cognitive Neuroscience 2018/2019
University of Cambridge
Corpus Christi College
- Tutor*, Neuroscience 2018
Oxford Summer Courses
- Undergraduate supervisor*, PBS4: Psychology and Cognitive Neuroscience 2018 supervisor
University of Cambridge

Wolfson College <i>Teaching staff</i> , Introductory course for R (seminar) Ruhr-University Bochum Faculty of Psychology	2016
<i>Teaching staff</i> , Introductory course for R (seminar) Ruhr-University Bochum Faculty of Psychology	2015
<i>Teaching assistant</i> , Tutorial for 2nd year statistics Ruhr-University Bochum Faculty of Psychology	2014

Adhoc reviews for academic journals

Neurobiology of Learning and Memory
Brain and Cognition

Organisation of events

First virtual “Cambridge Fudan ECR Cognitive Neuroscience Symposium” (2020)
“Open Science Day 2018” at the MRC CBU, Cambridge

Membership in professional societies

British Neuroscience Association

Languages

German (native)
English (IELTS band score of 7.5)
Chinese (A2*)
French (B1*)
Hebrew (A2*)

* According to Common European Framework of Reference for Languages