



Jörn Alexander Quent, PhD.

Post doctoral research associated with Fudan University
ISTBI · Guanghua building, 220 Handan Road, Shanghai, China

✉ jaquent@fudan.edu.cn  [jaquent](https://github.com/jaquent)  jaquent.me

Education & Academic Positions

<i>Fudan University</i> (China) Postdoctoral research associate Institute of Science and Technology for Brain-inspired Intelligence (ISTBI) PI: Deniz Vatansever	2021 - now
<i>University of Cambridge</i> (UK), PhD in Biological Sciences at MRC CBU MRC Cognition and Brain Sciences Unit (MRC CBU) PI: Rik Henson College: Clare Hall	2017 - 2021
<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, Fellowships, Scholarships & Honors

<i>Research Fund For International Young Scientists (RFIS-I)</i> National Natural Science Foundation of China (NSFC), China Amount: 400,000 RMB (\$56,000/57,000€) for two years	2023 - 2024
<i>Postdoctoral international exchange program</i> (博士后国际交流计划) China Postdoctoral Management Committee (中国博士后管理委员会), China	2021
<i>Grindley Grant</i> to travel to Beijing (China) Experimental Psychology Society (cancelled due to the COVID-19 pandemic)	2019
<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> Mid-American Universities International (MAUI), USA	2014
<i>Full student scholarship</i> Hans-Böckler Foundation, Germany	2014 - 2017

Publications

Journal Articles

Quent, J. A., Greve, A. & Henson, R. N. (2022). Shape of U: The Nonmonotonic Relationship

Between Object–Location Memory and Expectedness. *Psychological Science*. <https://doi.org/10.1177/09567976221109134>, Pre-print version can be found <https://doi.org/10.31234/osf.io/xq37j>

Quent, J. A. & Henson, R. N. (2022). Novel immersive virtual reality experiences do not produce retroactive memory benefits for unrelated material. *Quarterly Journal of Experimental Psychology*, 1 – 14. <https://doi.org/10.1177/17470218221082491>

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>

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>

Software

Quent, J. A. (2022). Questionnaire Presenter - A standalone program to collect questionnaire data made with Unity3D (Version 1.0.0) [Computer software]. <https://doi.org/10.5281/zenodo.7180407>

Quent, J. A. (2021). Mental rotation task for MATLAB (Version 1.11) [Computer software]. <https://doi.org/10.5281/zenodo.5502450>

Quent, J. A. (2021). N-back task for MATLAB (Version 1.8) [Computer software]. <https://doi.org/10.5281/zenodo.5502474>

Talks

- | | |
|---|--------------------|
| <i>Where PIMMS fails: limitations with our framework for memory</i> | 26th January 2022 |
| Wednesday Lunch Time Seminar | |
| University of Cambridge | |
| MRC Cognition and Brain Sciences Unit | |
| <i>Neuroimaging of mental navigation using virtual reality environments</i> | 15th December 2021 |
| Post-doc introduction talk | |
| Fudan University | |
| ISTBI | |
| <i>Power Between the People: Bayesian Sequential Designs</i> | 30th November 2020 |
| Methods day | |

- University of Cambridge
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

Research assistant Oct 2015 - Sep 2016

Ruhr-University Bochum

Supervisors: Lars Kuchinke & Marcel Meyer

Visiting scholar Feb 2016 - May 2016

UC Davis

Department of Psychology

Human Memory Lab
 Supervisor: Andrew Yonelinas
Undergraduate research assistant Feb 2015 - Sep 2015
 Ruhr-University Bochum
 Supervisor: Oliver T. Wolf
Undergraduate research assistant Feb 2015 - Sep 2015
 Ruhr-University Bochum
 Supervisor: Lars Kuchinke
Internship 2014
 St. Joseph Hospital Bochum
 Neurological Clinic of the Ruhr-University Bochum
 Supervisor: Christian Prehn

Teaching

Undergraduate supervisor Apr 2020 - Jun 2020
 PBS4: Psychology and Cognitive Neuroscience
 University of Cambridge
 Corpus Christi College
Undergraduate supervisor Jan 2020 - Mar 2020
 PBS4: Psychology and Cognitive Neuroscience
 University of Cambridge
 Corpus Christi College
Undergraduate supervisor Oct 2019 - Dec 2019
 PBS4: Psychology and Cognitive Neuroscience
 University of Cambridge
 Corpus Christi College
Tutor Jul 2019
 Neuroscience
 Oxford Summer Courses
Undergraduate supervisor Jan 2019 - Mar 2019
 PBS4: Psychology and Cognitive Neuroscience
 University of Cambridge
 Corpus Christi College
Undergraduate supervisor Oct 2018 - Dec 2019
 PBS4: Psychology and Cognitive Neuroscience
 University of Cambridge
 Corpus Christi College

<i>Tutor</i>	Jul 2018
Neuroscience Oxford Summer Courses	
<i>Undergraduate supervisor</i>	Jan 2018 - Mar 2018
PBS4: Psychology and Cognitive Neuroscience University of Cambridge Wolfson College	
<i>Teaching staff</i>	Oct 2015 - Feb 2016
Introductory course for R (seminar) Ruhr-University Bochum Faculty of Psychology	
<i>Teaching assistant</i>	Apr 2014 - Sep 2014
Tutorial for 2nd year statistics Ruhr-University Bochum Faculty of Psychology	

Adhoc reviews for academic journals

Neurobiology of Learning and Memory
Brain and Cognition
Behavior Research Methods
Memory

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 (HSK₃)
French (B1*)
Hebrew (A2*)

* According to Common European Framework of Reference for Languages