

# Julia Beitner

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<b>CURRENT</b>	<i>Associate researcher</i> since 07/2022 <i>Local Infrastructure for Open Science</i> Psychological Methods with Interdisciplinary Focus, Goethe University Frankfurt <i>Advisor: Martin Schultze</i>
	<i>PhD candidate</i> since 10/2018 <i>Scene Perception goes real: Transitioning from the Laboratory to the Real World</i> Scene Grammar Lab, Goethe University Frankfurt <i>Advisor: Melissa L.-H. Vö</i>
<b>EDUCATION</b>	<i>Master of Science, Research Master's Psychology</i> 09/2016 - 08/2018 University of Amsterdam <i>Major: Brain &amp; Cognition, Minor: Psychological Methods</i> <i>GPA: 8.65 cum laude (Very good, 10-point Dutch grading scale)</i>
	<i>Bachelor of Science, Applied Psychology</i> 09/2013 - 02/2016 Hochschule Fresenius, Frankfurt am Main <i>GPA: 1.3 (Very good, 5-point German grading scale)</i>
<b>RESEARCH EXPERIENCE</b>	<i>Guest researcher</i> 12/2018 - 03/2020 Department of Psychological Methods, University of Amsterdam
	<i>Master thesis</i> 01/2018 - 08/2018 Department of Psychological Methods, University of Amsterdam <i>Topic: Optimizing fMRI analysis of inhibition - a simulation study of the stop-signal task</i> <i>Supervisors: Lourens Waldorp, Hilde M. Huizenga</i> <i>Grading: 9.0 (Very good, 10-point Dutch scale)</i>
	<i>Research internship</i> 02/2017 - 07/2017 Department of Cognitive Neuroscience, University of Amsterdam <i>Topic: Does spontaneous eye blink rate modulate emotional distractor resistance? An EEG study.</i> <i>Supervisors: Martine van Schouwenburg, Heleen Slagter</i> <i>Grading: 8.0 (Good, 10-point Dutch scale)</i>
	<i>Bachelor thesis &amp; research internship</i> 02/2015 - 02/2016 Institute of Medical Psychology, Goethe University, Frankfurt am Main <i>Topic: Proactive distortion effects of motion directions in visual working memory</i> <i>Supervisors: Christoph Bledowski, Stefan Czoschke</i> <i>Grading: 1.0 (Very good, 5-point German scale)</i>

<b>WORK EXPERIENCE</b>	<i>Conference organizer</i> 06/2022 University-wide <i>Open Science Forum</i> at Goethe University Dworschak., N. et al. (2022)
	<i>Conference organizer</i> 01/2020 2 <sup>nd</sup> <i>Open Science Day</i> at Goethe University Beitner, J., Binder, L., Kraft, D., Mayer, R., & Zey, E. (2020)
	<i>Consultant for Bachelor and Master students</i> 02/2018 - 07/2018 Methodology Shop, University of Amsterdam
	<i>Research assistant</i> 05/2016 - 08/2016 German Institute for International Educational Research (DIPF) Centre for Technology Based Assessment, Frankfurt am Main
	<i>Student assistant</i> 06/2015 Conference <i>Psychologie und Gehirn</i> , 2015, Frankfurt am Main
<b>TEACHING &amp; WORKSHOPS</b>	<i>Lecturer</i> Winter 2022 Statistics I Practical Course (undergraduate course) Experimental Psychology Course (undergraduate course) Goethe University Frankfurt
	<i>Invited workshop</i> 02/2020 An Introduction to Open Science Practices for PhD students Given together with Elli Zey at the German University of Administrative Sciences, Speyer, Germany. <a href="https://osf.io/p8kcd">osf.io/p8kcd</a>
	<i>Lecturer and tutor</i> Summer 2019 – 2021 Cognitive Psychology Seminar (undergraduate course) Experimental Psychology Course (undergraduate course) Goethe University Frankfurt
	<i>Teaching assistant SPSS course</i> 09/2015 - 02/2016 Hochschule Fresenius, Frankfurt am Main
	<i>Tutor</i> 09/2014 - 02/2016 Inferential Statistics (undergraduate course) Hochschule Fresenius, Frankfurt am Main
<b>TALKS</b>	<i>Invited talk</i> 06/2022 Frankfurt Open Science Initiative - who we are, what we do, and why we need YOU. Open Science Forum, Goethe University Frankfurt. <a href="https://doi.org/10.21248/gups.68792">doi.org/10.21248/gups.68792</a>
	<i>Invited talk</i> 05/2022 How to promote Open Science – Activities, Structure, and Struggles of the Frankfurt Open Science Initiative. CIDER Spring Workshop. DIPF   Leibniz-Institute for Research and Information in Education. <a href="https://osf.io/kqcpf/">osf.io/kqcpf/</a>
	<i>Invited panelist</i> 03/2022 What constitutes science – from systematic and methodical understanding of the world (in German). – Interview in <i>Polytechnik</i> , 2022, 1, p.8

Stiftung Polytechnische Gesellschaft Frankfurt am Main.

*Invited panelist* 06/2021  
Digital Panel Discussion – Programming in Psychology (in German).  
Student Association of Psychology of the Goethe University.

*Invited talk* 04/2021  
The recent history of the replication crisis in psychology & how Open Science can be  
part of the solution.  
AFC Lab Talk Series, University of Lausanne, Switzerland. [osf.io/gcr9v/](https://osf.io/gcr9v/)

*Invited talk* 01/2021  
Unleashing Visual Search: Using Virtual Reality to Understand the Interplay of  
Attention and Memory.  
Cognition Research Group, University of Stirling, Scotland UK. [osf.io/ydra2/](https://osf.io/ydra2/)

*Invited talk* 05/2020  
An Example of Team Science in Neuroimaging, & what is an Open Science Initiative?  
Social Neuroscience Lab, Lübeck, Germany. [osf.io/xy7v6/](https://osf.io/xy7v6/)

**PUBLICATIONS** **Beitner, J.**, Waldorp, L.J., & Huizenga, H.M. (in preparation). Optimizing fMRI  
analysis of inhibition.

Schaaf, J.V., **Beitner, J.**, Poelstra, L., Kucharský, Š., Derks, K.P., ... & Wagen-  
makers, E.-J. (in preparation). Current Misunderstanding of Analysis of Covariance.

**Beitner, J.**, Helbing, J., David, E.J., & Vö, M. L.-H. (submitted). Flipping the  
world upside down: Using eye tracking in virtual reality to study visual search in  
inverted scenes.

Buchanan, E. M., Lewis, S., Paris, B., Forscher, P. S., Pavlacic, J. M., Beshears, J.  
E., ... **Beitner, J.**, ... & Primbs, M. (2022). PSACR: The Psychological Science  
Accelerator's COVID-19 Rapid-Response Dataset. *OSF Preprints*.  
[doi.org/10.31219/osf.io/byqha](https://doi.org/10.31219/osf.io/byqha)

Brohmer, H., Athenstaedt, U., Hofer, G., Sczesny, S., Metzler, H., Otto, K., ...  
**Beitner, J.**, ... & Giuliani, F. (Registered Replication Report, stage 1 in-principle  
acceptance). Effects of the Generic Masculine and its Alternatives in Germanophone  
countries. A Multi-lab Replication and Extension of Stahlberg, Sczesny, and Braun,  
2001. *International Review of Social Psychology*.

Dorison, C.A., Lerner, J.S., Heller, B.H., Rothman, A.J., Kawachi, I.I., Wang, K., ...  
**Beitner, J.**, ... & Coles, N.A. (2022). In COVID-19 health messaging, loss framing  
increases anxiety with little-to-no concomitant benefits: Experimental evidence from  
84 countries. *Affective Science*, 3(3), 577-602. [doi.org/10.1007/s42761-022-00128-3](https://doi.org/10.1007/s42761-022-00128-3)

Hoogeveen, S., Sarafoglou, A., Aczel, B., Aditya, Y., Alayan, A.J., Allen, P.J.,  
... **Beitner, J.**, ... Wagenmakers, E. J. (2022). A many-analysts approach to  
the relation between religiosity and well-being. *Religion, Brain & Behavior*, 1–47.  
[doi.org/10.1080/2153599x.2022.2070255](https://doi.org/10.1080/2153599x.2022.2070255)

Psychological Science Accelerator Self-Determination Theory Collaboration. (2022). A global experiment on motivating social distancing during the COVID-19 pandemic. *Proceedings of the National Academy of Sciences*, *119*(22), e2111091119. doi.org/10.1073/pnas.2111091119

Robson, S.G., Baum, M., Beaudry, J., **Beitner, J.**, Brohmer, H., ... & Tangen, J.M. (2021). Promoting Open Science: A holistic approach to changing behaviour. *Collabra: Psychology*, *7*(1), 30137. doi.org/10.1525/collabra.30137

David, E. J., **Beitner, J.**, & Vö, M. L.-H. (2021). The importance of peripheral vision when searching 3D real-world scenes: A gaze-contingent study in virtual reality. *Journal of Vision*, *21*(7), 3. doi.org/10.1167/jov.21.7.3

Wang, K., Goldenberg, A., Dorison, C., Miller, J. K., Uusberg, A., Lerner, J. S., ... **Beitner, J.**, ... & Noone, C. (2021). A Multi-Country Test of Brief Reappraisal Interventions on Emotions during the COVID-19 Pandemic. *Nature Human Behaviour*, *5*, 1089-1110. doi.org/10.1038/s41562-021-01173-x

**Beitner, J.**, Helbing, J., Draschkow, D., & Vö, M. L.-H. (2021). Get Your Guidance Going: Investigating the Activation of Spatial Priors for Efficient Search in Virtual Reality. *Brain Sciences*, *11*(1), 44. doi.org/10.3390/brainsci11010044

David, E., **Beitner, J.**, & Vö, M. L.-H. (2020). Effects of Transient Loss of Vision on Head and Eye Movements during Visual Search in a Virtual Environment. *Brain Sciences*, *10*(11), 841. doi.org/10.3390/brainsci10110841

**Beitner, J.**, Brod, G., Gagl, B., Kraft, D., & Schultze, M. (2020) Offene Wissenschaft in der Zeit von Covid-19 – Eine Blaupause für die psychologische Forschung? *PsyArXiv*. doi.org/10.31234/osf.io/sh8xg

Botvinik-Nezer, R., Holzmeister, F., Camerer, C.F., Dreber, A., Huber, J., ... **Beitner, J.**, ... & Schonberg, T. (2020). Variability in the analysis of a single neuroimaging dataset by many groups. *Nature*, *528*, 84-88. doi.org/10.1038/s41586-020-2314-9

Czoschke, S., Fischer, C., **Beitner, J.**, Kaiser, J., & Bledowski, C. (2019). Two types of serial dependence in visual working memory. *British Journal of Psychology*, *110*(2), 256-267. doi.org/10.1111/bjop.12349

Derks, K., Burger, J., van Doorn, J., Kossakowski, J.J., Matzke, D., Atticiati, L., **Beitner, J.**, ..., & Wagenmakers, E.-J. (2018). Network models to organize a dispersed literature: The case of misunderstanding analysis of covariance. *Journal of European Psychology Students*, *9*(1), 48-57. doi.org/10.5334/jeps.458

**CONFERENCES** **Beitner, J.**, Draschkow, D., Helbing, J., David, E., & Vö, M. L.-H. (2022). Unleashing visual search: Using virtual reality to understand the interplay of attention and memory. *DGPs Congress*, 10-15 September, Hildesheim, Germany. *Invited hot topic symposium talk*. osf.io/gfy3j/

**Beitner, J.**, Helbing, J., Draschkow, D., & Vö, M. L.-H. (2021). Scene grammar guidance affects both visual search and incidental object memory. *Virtual Vision Sciences Society Meeting*, 21-26 May, St. Petersburg, FL, USA. *Poster*. doi.org/10.1167/jov.21.9.2150, osf.io/dt54u/

Czoschke, S. & **Beitner, J.** (2021). Random values from uncertainty intervals are as informative as point estimates in visual working memory. *Virtual Vision Sciences Society Meeting*, 21-26 May, St. Petersburg, FL, USA. *Poster*. doi.org/10.1167/jov.21.9.2422, Poster on ResearchGate

**Beitner, J.**, Helbing, J., Draschkow, D., & Vö, M. L.-H. (2020). Investigating the activation of scene grammar for efficient search in virtual reality. *Virtual Vision Sciences Society Meeting*, 19-24 June, St. Petersburg, FL, USA. *Poster*. doi.org/10.1167/jov.20.11.710, osf.io/xpke3/

David, E., **Beitner, J.**, & Vö, M. L.-H. (2020). The role of central and peripheral vision for search in VR environments. *Virtual Vision Sciences Society Meeting*, 19-24 June, St. Petersburg, FL, USA. *Talk*. doi.org/10.1167/jov.20.11.1101

**Beitner, J.**, Helbing, J., Draschkow, D., & Vö, M. L.-H. (2019). No difference in object memory after searching dynamic 3D and VR environments. *European Conference on Visual Perception*, 25-29 August, Leuven, Belgium. *Poster*. osf.io/xpke3

**Beitner, J.**, Dobbelaar, S., Slagter, H.A., & van Schouwenburg, M.R. (2017). The relation between eye blink rate and emotional distractor resistance. *NVP Winter Conference 2017*, 14-16 December, Egmond aan Zee, the Netherlands. *Poster*.

van Schouwenburg, M.R., **Beitner, J.**, Dobbelaar, S., & Slagter, H.A. (2017). The role of dopamine in emotional distractor resistance. *13th International Conference for Cognitive Neuroscience*, 5-8 August, Amsterdam, the Netherlands. *Poster*.

## GRANTS & AWARDS

**Scholarship.** IFI – International Research Stay Scholarship for Doctoral Candidates in Computer Science by the DAAD, 2020 – *expired due to the COVID-19 pandemic*.

**Grant.** Means to improve the quality of study conditions and teaching (QSL) by the Goethe University, application in the name of the Frankfurt Open Science Initiative (EUR 6.200), 2020

**Assessment Grant.** The repliCATS Project (USD 700), 2020

**Travel Grant.** Goethe University Young Talent Support Programme (EUR 702.50), 2020 – *unused due to COVID-19*

**Travel Grant.** Goethe University Travel Fund (EUR 300), 2019

**PhD Scholarship.** Main-Campus-doctus, Stiftung Polytechnische Gesellschaft Frankfurt, 3.5 years, (EUR 58.800), 2019

**Travel Grant.** Society for the Improvement of Psychological Science, Rotterdam NL (USD 800), 2019

**Travel Grant.** NVP Winter Conference, Egmond aan Zee NL (EUR 325), 2017

**Best Bachelor Thesis 2015/2016** awarded by Hochschule Fresenius, Frankfurt

## EXTRA-CURRICULAR

**Main-Campus Akademie.** Several workshops on topics such as creativity, time management, presentation skills, graphic design, logical argumentation, and science communication. Organized by the Stiftung Polytechnische Gesellschaft as part of the PhD scholarship, 2019 – 2022

**Machine Learning Spring School.** CorrelAid, 2022

**Mentee at ProCareer.Doc.** Mentoring Hessen, 2019 – 2020

**Erasmus+ TquanT.** Glasgow UK, invited by Eric-Jan Wagenmakers, 2018

**Theory and Practice of Bayesian Hypothesis Testing: A JASP Workshop.** Amsterdam NL, 2016

## SERVICE

- ◇ Head of Frankfurt Open Science Initiative
- ◇ Grant committee member of Frankfurt Open Science Fellowships
- ◇ Founder and co-host of local ReproducibiliTea Journal Club
- ◇ Member of the Society for the Improvement of Psychological Science
- ◇ Member of the Vision Sciences Society
- ◇ Member of the Psychological Science Accelerator
- ◇ Associated member of the DGPs (German Psychological Society)
- ◇ Ad Hoc Reviewer for *Collabra: Psychology*

## COMPUTER SKILLS

*Programming:* R, Python, C#

*Analyses:* lme4, FSL, scikit-learn, JAGS, JASP, SPSS

*Other:* Unity, PsychoPy, Pavlovia, git, Shiny, GIMP, Audacity

## RESEARCH INTERESTS

**Visual perception:** scene perception, repeated search, visual memory

**Methodologies:** virtual reality, eye-tracking, fMRI, machine learning

**Science:** open science, meta-research, statistical methods, ecological validity