

Dr. Julia Beitner

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Last updated October, 2024

POSITIONS

Research associate – PostDoc

since 04/2024

Project: ManyBeds: Evaluating replicability of auditory targeted memory reactivation
Clinical Psychology, Central Institute of Mental Health, Mannheim, Germany
PI: Gordon B. Feld

Research associate

07/2022 – 03/2024

Project: tigeR: Training mit individuell generierten Erfolgsrückmeldungen in R
Project: LIFOS: Lokale Infrastruktur für Open Science
Psychological Methods with Interdisciplinary Focus, Goethe University Frankfurt, Germany
PI: Martin Schultze

PhD candidate

10/2018 – 12/2022

Scene Grammar Lab, Goethe University Frankfurt, Germany
PI: Melissa L.-H. Vö

EDUCATION

Dr. rer. nat. | *PhD*

10/2018 – 07/2024

Scene Grammar Lab, Goethe University Frankfurt, Germany
Thesis: Visual search goes real: Transitioning from the experimentalist's laboratory to more naturalistic settings
Grade: Magna cum laude (Very good, German 5 point grading scale)
Supervisor: Melissa L.-H. Vö

Master of Science | *Research Master's Psychology*

09/2016 – 08/2018

Major: Brain & Cognition, *Minor:* Psychological Methods
University of Amsterdam, the Netherlands
Grade: 8.65 *cum laude* (Very good and with distinction, Dutch 10 point scale)
Master thesis: Optimizing fMRI analysis of inhibition: A simulation study of the stop-signal task
Supervisors: Lourens Waldorp, Hilde M. Huizenga

Bachelor of Science | *Applied Psychology*

09/2013 – 02/2016

Hochschule Fresenius, Frankfurt am Main, Deutschland
Grade: 1.3 (Very good German 5 point scale)
Bachelor thesis: Proactive effects of distortion on moving direction in visual working memory
Supervisors: Christoph Bledowski, Stefan Czoschke

PROFESSIONAL EXPERIENCE & INTERNSHIPS

Guest researcher

12/2018 – 03/2020

Department of Psychological Methods, University of Amsterdam, the Netherlands

Statistics consultant for Bachelor and Master students

02 – 07/2018

Methodology Shop, University of Amsterdam, the Netherlands

Research internship	02 – 07/2017
Brain & Cognition Department, University of Amsterdam, the Netherlands	
<i>Topic:</i> Does spontaneous eye blink rate modulate emotional distractor resistance? An EEG study	
<i>Supervisors:</i> Martine van Schouwenburg, Heleen Slagter	
Student assistant	05 – 08/2016
Center for Technology Based Assessment	
Leibniz Institute for Research and Information in Education DIPF	
Frankfurt am Main, Germany	
Research internship	02/2015 – 03/2015
Institute of Medical Psychology, Goethe University Frankfurt, Germany	
<i>Topic:</i> Inter-item interactions in visual working memory	
<i>Supervisors:</i> Christoph Bledowski, Benjamin Peters	

TEACHING

Supervision of theses	since 2021
As main supervisor: 3 Bachelor theses, 1 Master thesis	
As second reviewer: 2 Bachelor theses, 2 Master theses	
Lecturer at Goethe University	since 2019
Statistics I Practical Course (Bachelor), 2x	
Clinical Research Module (Clinical Psychology Master), 1x	
Cognitive Psychology Seminar (in English; Bachelor), 1x	
Empirical-experimental Research Course (in English; Bachelor), 4x	
Workshop	11/2023
<i>From zero to hero: Open Science for more robust research in the quantitative social sciences</i> (in German)	
3rd GSHS Research Day: Open to the Future? Open Science meets Humanities and Social Sciences	
Johannes Gutenberg-University, Mainz, Germany	
Slides: osf.io/wyxcq	
Workshop	02/2020
<i>An introduction to Open Science practices for PhD students</i>	
Given together with Elli Zey, at German University of Administrative Sciences, Speyer, Germany	
Slides: osf.io/p8kcd	
Student assistant	Winter semester 2015/2016
SPSS Course (Bachelor)	
Hochschule Fresenius, Frankfurt am Main, Germany	
Tutor	Each semester 09/2014 – 02/2016
Inferential Statistics (Bachelor)	
Hochschule Fresenius, Frankfurt am Main, Germany	

SCHOLARSHIPS, GRANTS AND AWARDS

Travel grant	2024
Society for the Improvement of Psychological Science, Nairobi, Kenya	
	USD 575
Grant	2023
<i>Cross-site Local Infrastructure for Open Science (SLIFOS)</i>	
Beitner, J., Schultze, M., Schubert, A.-L., & Steinhilber, M.	
Supported by the RMU Initiative Funding for Teaching	
	EUR 39.953

Grant	2023
QSL – Funds to secure the quality of teaching of the Goethe University Application in the name of the Frankfurt Open Science Initiative	EUR 2.300
Travel grant	2023
Willkomm Foundation, Goethe University	EUR 440
Scholarship	2020
DAAD, IFI – International Research Stay for Computer Scientists Expired due to the pandemic	EUR 2.950
Grant	2020
QSL – Funds to secure the quality of teaching of the Goethe University Application in the name of the Frankfurt Open Science Initiative	EUR 6.200
Assessment grant	2020
The repliCATS Project	USD 700
Travel grant	2020
Goethe University Early Career Researchers Support Funds Expired due to the pandemic	EUR 700
PhD Scholarship	2019 – 2022
Main-Campus-doctus, Foundation Polytechnical Society Frankfurt am Main	EUR 58.800
Travel grant	2019
Society for the Improvement of Psychological Science, Rotterdam NL	USD 800
Travel grant	2017
NVP Winter Conference, Egmond aan Zee NL	EUR 325
Best Bachelor thesis	2015/2016
Hochschule Fresenius, Frankfurt am Main	

ORGANISATION OF SCIENTIFIC CONFERENCES & EVENTS

Organizer & co-organizer	01/2019 – 02/2024
Several workshops of the Frankfurt Open Science Initiative Goethe University Frankfurt & online	
Co-organizer	06/2022
Universitywide <i>Open Science Forum</i> Goethe University Frankfurt	
Organizer	06/2021
Open Science Fellowships Awarding & Ceremony Online	
Organizer	01/2020
2 nd <i>Open Science Day</i> of the Frankfurt Open Science Initiative Goethe University Frankfurt	
Organizer	10/2019
ZPID Roadshow Goethe University Frankfurt	

Student assistant

06/2015

Conference *Psychologie und Gehirn*, 2015
Goethe University Frankfurt

INVITED TALKS

Visual search goes real

09/2023

Ernst Strüngmann Institute for Neuroscience, Frankfurt, Germany
Invited by Rosanne Rademaker. Slides: osf.io/2q3h9

From individuals to initiatives – Promoting Open Science through grassroots actions 07/2023

Institute of Psychology, Johannes Gutenberg-University, Mainz, Germany
Invited by Anna-Lena Schubert. Slides: osf.io/7nr3f

The replication crisis

06/2023

Guest lecture in Sociology Master Studies
Goethe University Frankfurt, Germany
Invited by Felix Brockmann. Slides: osf.io/fzn2s (in German)

Publish or perish – How publication pressure harms science

01/2023

Lecture series *Natural Scientists in Society, Academia, and Industry – Hurdles and Opportunities*
Technical University Darmstadt, Germany
Slides: osf.io/e8rca/ (in German)

Companions between theory and practice:

11/2022

Open Science Initiatives from Mainz and Frankfurt introduce themselves

Perspective Open Science @ RMU 2022
[Slides](#) (in German)

Frankfurt Open Science Initiative – who we are, what we do, and why we need YOU 06/2022

Open Science Forum, Goethe University Frankfurt
Slides: doi.org/10.21248/gups.68792

How to promote Open Science – Activities, structure, and struggles of the Frankfurt Open Science Initiative

05/2022

CIDER Spring Workshop, Leibniz Institute for Research and Information in Education | DIPF
Slides: osf.io/kqcpf/

What constitutes science – From systematic and methodical understanding of the world

03/2022

Invited panelist
Interview in the magazine *Polytechnik*, 2022, 1, p. 8 (in German)
Foundation Polytechnical Society Frankfurt am Main

The recent history of the replication crisis in psychology & how Open Science can be part of the solution

04/2021

AFC Lab Talk Series, University of Lausanne, Switzerland
Invited by Meike Ramon. Slides: osf.io/gcr9v/

Unleashing visual search:

01/2021

Using virtual reality to understand the interplay of attention and memory

Cognition Research Group, University of Stirling, Scotland UK
Invited by Anna Bobak. Slides: osf.io/ydra2/

An example of team science in neuroimaging & what is an Open Science Initiative?

05/2020

Social Neuroscience Lab, Lübeck, Germany

Invited by Lena Rademacher. Slides: osf.io/xy7v6/

VOLUNTARY ACTIVITIES, SERVICE TO THE FIELD AND MEMBERSHIPS

Current

- ◇ Statistics, Transparency, and Rigor (STAR) Editor for *Psychological Science*
- ◇ Ad Hoc Reviewer for *Collabra: Psychology*; *Scientific Reports*; *Psychological Science*; *International Journal of Human-Computer Interaction*
- ◇ Associated Member of the German Society of Psychology (DGPs), subject groups *Cognitive Psychology & Biological Psychology and Neuropsychology*
- ◇ Member of the Society for the Improvement of Psychological Science
- ◇ Member of the Psychological Science Accelerator
- ◇ ECS Member of the German Center for Mental Health (DZPG)
- ◇ COS Ambassador

Past

- ◇ Head of the [Frankfurt Open Science Initiative](#) (2019 – 2024)
- ◇ Founder und co-host of the Frankfurt [ReproducibiliTea Journal Club](#) (2019 – 2024)
- ◇ Grant committee member and organizer of the [Frankfurt Open Science Fellowships](#) (2020, 2021, 2024)
- ◇ Open Science Expert & Working Group Leader of *Open Methodology* at the university's working group to implement a university-wide Open Science Strategy (2022 – 2023)

EXTRACURRICULAR ACTIVITIES

Meta-Research Summer School	2023
Organized by QUEST Center, Berlin Institute of Health at Charité, Germany	
Main-Campus Academy	2019 – 2022
Several workshops about topics such as time management, creativity, presentation skills, graphics design, logical argumentation, and science communication. Organized by the Foundation Polytechnical Society as part of the PhD Scholarship	
Machine Learning Spring School	2022
Organized by CorrelAid Germany	
Mentee at ProCareer.Doc	2019 – 2020
Mentoring Hessen, Germany	
Erasmus+ TquanT Seminar	2018
Organized by the University of Glasgow, Scotland	
Theory and Practice of Bayesian Hypothesis Testing: A JASP Workshop	2016
Amsterdam, the Netherlands	

OPEN EDUCATIONAL RESOURCES

Beitner, J., Schnatz, J.L., & Schultze, M. (2023). tigeR: Training mit individuell generierten Erfolgsrückmeldungen in R. Retrieved 22.02.24 from tiger.uni-frankfurt.de/app/shinytigeR

Beitner, J.*, Nehler, K.J.*, & Schultze, M. (2023). LIFOS: Lokale Infrastruktur für Open Science. Retrieved 22.02.24 from lifos.uni-frankfurt.de. *These authors contributed equally.

Author of several articles at

Schultze, M., Irmer, J.P. & Nehler, K.J. (eds.) (2021). PandaR: Praktische Anwendungen der Datenanalyse in R. Retrieved 22.02.24 from pandar.netlify.app

- [14] **Beitner, J.**, Nehler, K.J., Kvetnaya, T., & Schultze, M. (2024). Evaluating the impact of LIFOS: A platform to train Open Science practices for students. *53rd DGPs Congress*, 15. – 19. September, Vienna, Austria. *Talk*. [Slides: osf.io/ug6mk](https://osf.io/ug6mk)
- [13] Schnatz, J.L., Schultze, M., & **Beitner, J.** (2024). Beyond Publication Bias: Unraveling the Complexities of Sample Size and Effect Size Dynamics in Psychological Research. *53rd DGPs Congress*, 15. – 19. September, Vienna, Austria. *Poster*. osf.io/ty4em
- [12] Schreiner, Z., **Beitner, J.**, Hagitte, L., Zey, E., Lorenz, T., & Schultze, M. (2024). The Influence of Narratives on the Interpretation of Figures Displaying Statistical Data. *53rd DGPs Congress*, 15. – 19. September, Vienna, Austria. *Poster*.
- [11] Schnatz, J.L., Kvetnaya, T., Bolz, Z., & **Beitner, J.** (2023). Open Science Activities in Frankfurt: A look inside the Department of Psychology at Goethe University (in German). *GSHS Research Day*, 24. November, Mainz, Germany. *Poster*. osf.io/ed9cg
- [10] **Beitner, J.**, Nehler, K.J., & Schultze, M. (2023). Evaluating LIFOS: A platform to train Open Science practices for students. *Meeting of the Society for the Improvement of Psychological Science*, 22. – 24. June, Padova, Italy. *Poster*. osf.io/urb8m
- [9] **Beitner, J.**, Helbing, J., David, E.J., & Vö, M.L.-H. (2023). Investigating the effects of a virtual reality vs. screen-based testing setup on incidental memory after visual search through scenes. *Vision Sciences Society Meeting*, 19. – 24. May, St. Petersburg, FL, USA. *Poster*. [Abstract: doi.org/10.1167/jov.23.9.5126](https://doi.org/10.1167/jov.23.9.5126), [Poster: osf.io/x5dvn](https://osf.io/x5dvn)
- [8] **Beitner, J.**, Draschkow, D., Helbing, J., David, E.J., & Vö, M.L.-H. (2022). Unleashing visual search: Using virtual reality to understand the interplay of attention and memory. *DGPs Kongress*, 10. – 15. September, Hildesheim, Germany. *Invited hot topic symposium talk*. [Slides: osf.io/gfy3j/](https://osf.io/gfy3j/)
- [7] **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. Mai, St. Petersburg, FL, USA. *Poster*. [Abstract: doi.org/10.1167/jov.21.9.2150](https://doi.org/10.1167/jov.21.9.2150), [Poster: osf.io/dt54u/](https://osf.io/dt54u/)
- [6] 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. Mai, St. Petersburg, FL, USA. *Poster*. [Abstract: doi.org/10.1167/jov.21.9.2422](https://doi.org/10.1167/jov.21.9.2422), [Poster on ResearchGate](#)
- [5] **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. Juni, St. Petersburg, FL, USA. *Poster*. [Abstract: doi.org/10.1167/jov.20.11.710](https://doi.org/10.1167/jov.20.11.710), [Poster: osf.io/xpke3/](https://osf.io/xpke3/)
- [4] David, E.J., **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. Juni, St. Petersburg, FL, USA. *Talk*. [Abstract: doi.org/10.1167/jov.20.11.1101](https://doi.org/10.1167/jov.20.11.1101)
- [3] **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
- [2] **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. Dezember, Egmond aan Zee, the Netherlands. *Poster*.
- [1] 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*.

PREPRINTS AND SELECTED WORK IN PROGRESS

- [4] Blackwell, J., **Beitner, J.**, & Holcombe, A.O. (under review). Assessing indices of transparency and reproducibility in animal models of opioid addiction. *PsyArXiv*. doi.org/10.31234/osf.io/rsc54

- [3] ***Beitner, J.**, *Nehler, K.J., Kvetnaya, T., & Schultze, M. (in preparation). Evaluation of LIFOS: A platform to train Open Science practices for students. *These authors contributed equally.
- [2] Schaaf, J.V., **Beitner, J.**, Poelstra, L., Kucharský, Š., Derks, K.P., ... & Wagenmakers, E.-J. (in preparation). Analysis of covariance: Revisiting a perennial debate.
- [1] **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

PEER-REVIEWED PUBLICATIONS

- [17] Brohmer, H., Hofer, G., Bauch, S.A., **Beitner, J.**, Berkessel, J.B., ... & Athenstaedt, U. (2024). 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*, 37(1), 17. doi.org/10.5334/irsp.522
- [16] Röseler, L., Kaiser, L., Doetsch, C.A., Klett, N., Seida, C., ... **Beitner, J.**, ... & Zhang, Y. (2024). The Replication Database: Documenting the Replicability of Psychological Science. *Journal of Open Psychology Data*, 12(1), 8. doi.org/10.5334/jopd.101
- [15] **Beitner, J.**, Helbing, J., David, E.J., & Vö, M.L.-H. (2024). Using a flashlight-contingent window paradigm to investigate visual search and object memory in virtual reality and on computer screens. *Scientific Reports*, 14(1), 8596. doi.org/10.1038/s41598-024-58941-8
- [14] Hansen, M., **Beitner, J.**, Horz, H., & Schultze, M. (2024). Indicators for teaching assessment. *Meta-Psychology*, 8. doi.org/10.15626/MP.2023.3763
- [13] **Beitner, J.**, Helbing, J., Draschkow, D., David, E.J., & Vö, M.L.-H. (2023). Flipping the world upside down: Using eye tracking in virtual reality to study visual search in inverted scenes. *Journal of Eye Movement Research*, 15(3), 5. doi.org/10.16910/jemr.15.3.5
- [12] Buchanan, E.M., Lewis, S., Paris, B., Forscher, P.S., Pavlacic, J. M., Beshears, J.E., ... **Beitner, J.**, ... & Primbs, M. (2023). PSACR: The Psychological Science Accelerator's COVID-19 Rapid-Response Dataset. *Scientific Data*, 10(1), 87. doi.org/10.1038/s41597-022-01811-7
- [11] 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
- [10] 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
- [9] 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
- [8] 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
- [7] 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
- [6] 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
- [5] **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

- [4] David, E.J., **Beitner, J.**, & V̄o, 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
- [3] 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
- [2] 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
- [1] 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