

George Fejer | Neuropsychologist, Doctoral Candidate, Coordinator of ALIUS

 Berlin, Germany

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Education

PhD candidate in Cognitive Psychology

Topic: Neurophenomenology of Embodied States of Consciousness

Supervisor: Prof. Bigna Lenggenhager.

University of Konstanz

04/2022 – Present

MSc in Cognitive Neuropsychology

Master's thesis on the effects of psilocybin microdosing

Supervisors: Prof. Michiel van Elk, and Dr. Erik van der Burg. GPA: 8.2 of 10.

VU / University of Amsterdam

09/2016 – 02/2020

BSc in Bioscience

Bachelor's thesis on NMDA glutamate receptors and hippocampus size in mice

Supervisors: Prof. Hannah Monyer, and Prof. Rolf Sprengel. GPA: 2.2 (> 80%).

Ruprecht-Karls-University of Heidelberg

10/2013 – 08/2016

High School

Abitur

Kepler Gymnasium Freiburg, DE

(08/2012)

Work Experience

Research and Teaching Fellow in Cognitive Psychology

Academic Researcher employed by the University of Konstanz

Conducting research with Virtual Reality and electrophysiology, and teaching undergraduate courses.

Konstanz

04/2021 – Present

Coordinator of the ALIUS Research Group

Overseeing collaborations, writing and editing annual research bulletins, and organizing Journal Clubs.

11/2020 – Present

Freelance Writer at Blossom Analysis

Freelance Editor

Editing and proofreading scientific content related to psychedelics research.

01/2021 – 01/2022

Research Assistant at the Religion Cognition & Behavior Lab, University of Amsterdam

Research Assistant under the supervision of Prof. Michiel van Elk

Assisted in research projects at the intersection of religion, cognition, and behavior

Amsterdam

09/2020 – 04/2021

Amsterdam Psychedelic Research Association

Board Member

Part of the team advancing psychedelic research and knowledge.

01/2018 – 11/2020

Interdisciplinary Conference for Psychedelic Research

Program Manager

Managed the planning and execution of the e-conference in September 2020.

04/2019 – 09/2020

Labmanager at the Department of Cognitive Psychology, VU University Amsterdam

Lab Manager and Research Assistant

Managed lab operations and assisted in cognitive psychology research.

Amsterdam

01/2019 – 10/2020

SAFENED Ltd.

CDD Analyst

Conducted Anti-Money Laundering (AML) analysis and compliance checks.

08/2018 – 04/2019

Publications

2021: van Elk, M., Fejer, G., Lempe, P. et al. "Effects of psilocybin microdosing on awe and aesthetic experiences: a preregistered field and lab-based study." *Psychopharmacology*. DOI: 10.1007/s00213-021-05857-0.

2021: Marschall, J., Fejer, G., Lempe, P., Prochazkova, L., Kuchar, M., Hajkova, K., & van Elk, M. "Psilocybin microdosing does not affect emotion-related symptoms and processing: A preregistered field and lab-based study." *J Psychopharmacol*, 2698811211050556. DOI: 10.1177/02698811211050556.

2021: Prochazkova, L., van Elk, M., Marschall, J., Rifkin, B. D., Fejer, G., Schoen, N., ...Hommel, B. "Microdosing psychedelics and its effect on creativity: Lessons learned from three double-blind placebo controlled longitudinal trials." DOI: 10.31234/osf.io/emcxw.

2021: Fejer, G., Lempe P., Marschal J. & van Elk, M. "The Doors of Perceived Simultaneity: effects of microdosing psilocybin on the perception of asynchronous audiovisual speech." Manuscript submitted.

2022: Fejer, G., Paauwe, F., Lewis-Healey, E., Bornemann, J. Zijlmans, J. & van Elk, M. "Microdosing Placebo: An expectation-controlled study of the subjective and objective effects of placebo psychedelics." Manuscript in preparation.

2022: Fejer, G., Fleig-Goldstein, B. Chuquipiondo, A., Luan. L. Roseman, L. & Fortier-Davy, M. "A qualitative and quantitative comparison of serotonergic and anticholinergic hallucinatory percepts." Manuscript in preparation.

2023: Bahi, C., Irrmischer, M., Franken, K. et al. "Effects of conscious connected breathing on cortical brain activity, mood and state of consciousness in healthy adults." *Curr Psychol.* DOI: 10.1007/s12144-023-05119-6.

2023: de Vries, E., Fejer, G., & van Ede, F. "No obligatory trade-off between the use of space and time for working memory." *Commun Psychol.*, 1(41). DOI: 10.1038/s44271-023-00042-9.

Technical Skills

Neuroimaging: Proficient in neuroimaging using NIRx acquisition systems and proficient with mBrainTrain Smarting mobile EEG system.

Heart Rate Monitoring: Experienced in heart rate monitoring with the Polar H10 Heart Rate Sensor.

Hyperscanning Setup: Experienced in setting up Hyperscanning experiments using the Lab Streaming Layer (LSL) protocol.

Eye-Tracking: Skilled in eye-tracking technologies and methodologies for cognitive and behavioral studies.

3D Animation and Design: Skilled in 3D animation and object design using Blender, capable of creating detailed models and animations for various applications.

Virtual Reality Experiments: Experienced in developing and running virtual reality experiments using Unity, integrating VR into psychological research.

Data Analysis and Statistics

Python: Proficient in data and statistical analysis using Jupyter Notebook for Python. Experienced in data visualization, and statistical methods, with an emphasis on creating robust, data-analysis pipelines.

R, JASP, & SPSS: Experienced in statistical computing with R, JASP, and SPSS. Skilled in performing complex data analyses, statistical tests, and producing professional visualizations. These platforms are utilized for advanced statistical analysis and data management, particularly suited for academic and research settings.

Excel: Adept in using Microsoft Excel for sophisticated data manipulation, formula application, and dynamic charting. Proficient in leveraging Excel's capabilities to ensure precise results in diverse research and business contexts.

Research Design Skills

Experimentation and Programming: Experienced in programming experiments with Python, OpenSesame, E-Prime, and Qualtrics. Experience with collecting behavioral multimodal behavioral, neurophysiological and subjective data.

Language Proficiency

Languages: Natively Fluent in English, German, Hungarian; Beginner in Dutch (A2).

Conference Presentations

August 2019: "Effects of Psilocybin Microdosing on Multisensory Integration" presented at the Breaking Convention, UK. Video available.

September 2019: "The Doors of Perceived Simultaneity" poster session at the Insight Conference, Berlin. Conference details.

October 2019: Gave a public lecture "Psychedelics and the Predictive Mind" at Erasmus University. Lecture recording.

December 2019: Presented on microdosing psilocybin's effects on audiovisual speech at the 17th NVP Winter Confer-

ence on Brain and Cognition, Egmond aan Zee, NL.

Published Articles and Blogs

August 2020: Authored a blog on "The Biggest Challenges for Psychedelic Science Today" for the ICPR conference. Read the blog.

October 2021: "The Secrets of Kratom: An Interview with Dr. Jay McLaughlin" published on Blossom Analysis. Read the interview.

December 2021: Interview on "Psychedelics and VR" with David Glowacki for Blossomanalysis. Interview link.

Online Discussions and Interviews

March 2021: Discussed "Are the Subjective Effects of Psychedelics Necessary for Their Therapeutic Effects?" in an online interview for the ALIUS research network. Watch the discussion.

March 2024: "Breathwork: Hype oder Heilung?" a discussion on the impact of breathwork practices on health, featured on the Zeitfragen podcast by Deutschlandradio. Listen to the podcast.