**Guillermo Hidalgo Gadea**born January 9th, 1993 in Barcelona, Spain  
g.hidalgo-gadea@web.de  
**GuillermoHidalgoGadea.com**

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**Education**

June 2020 – present PhD in Psychology, Ruhr-Universität Bochum, Germany  
Institute of Cognitive Neuroscience, Prof. Dr. Dr. h.c. Onur Güntürkün

Sep 2018 – Nov 2019 M.Sc. in Psychological Research Methods, Stirling University, Scotland  
Thesis: “Human and Non-Human Primates undergo Similar Interferences   
in Quantity Representation during Spontaneous Food Choices”

Oct 2013 – Sep 2017 B.Sc. in Psychology, Bergische Universität Wuppertal, Germany  
Thesis: “Fatigue Detection based on Multimodal Biosignal Processing”

Oct 2011 – Sep 2013 B.Sc. in Physics, Technische Universität Dortmund, Germany  
(not completed) Minoring in Philosophy and Chemistry

Sep 2009 – May 2011 Abitur, Deutsche Schule Barcelona, Spain  
Majoring in Physics, Mathematics, and German Language

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**Professional Experience**

Sep 2021 – April 2022 Teaching   
Seminar for MSc Psychology Students, Ruhr Universität Bochum  
Tracking Animal Behavior (3 credits, seminar id: 118924)

Sep 2021 – April 2022 Teaching   
Seminar for BSc Psychology Students, Ruhr Universität Bochum  
Computational Ethology (5 credits, seminar id: 112726)

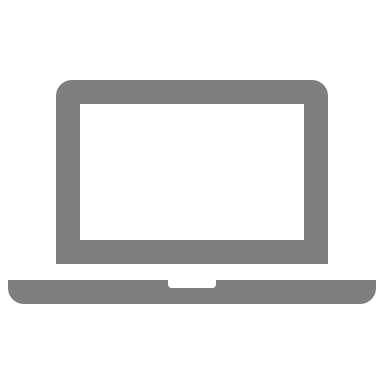
Jun 2020 – present Research Assistant   
Philosophy of the Mind, Faculty of Philosophy, Ruhr Universität Bochum  
DFG funded Research Training Group GRK 2185 Situated Cognition

Jan 2019 – present Independent Consultant and Statistical Advisor  
Research methods, experimental design, and statistical analysis  
Coaching for Bachelor, Master, and PhD dissertations

Jul 2015 – May 2018 Project Manager  
Institute of Experimental Psychophysiology GmbH  
Team management, focus on public and industry-funded projects

Sep 2015 – Jul 2018 Fitness Instructor (DFAV certification)  
College Sports Bergische Universität Wuppertal  
Group fitness, BootCamp, and Cross Country Running

Jul 2014 – Jun 2015 Student Assistant  
Bergische Universität Wuppertal, Faculty of Psychology  
Department of Methodology and Psychological Diagnostics

**Professional Development**

Jun 2022 Science Communication, Ruhr University Research School

May 2022 Introduction to Leadership Skills, Ruhr University Research School

Oct 2021 Communicating Science Online, German National Institute for Science Communication (NaWik)

Oct 2021 A-certificate, Federation of European Laboratory Animal Science Associations (FELASA)

Jul 2021 Computational Neuroscience, Neuromatch Academy

Jan 2021 Deep Learning in Python, MOOC from Udemy

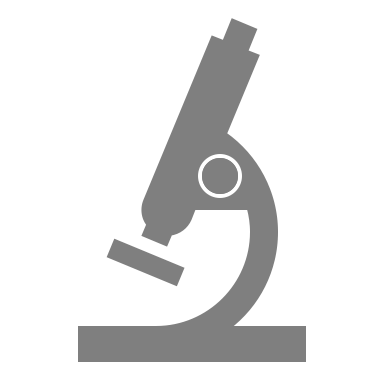
Jul 2020 Python for Research, MOOC from Harvard University

May 2020 Machine Learning in MATLAB, MOOC from Stanford University

Apr 2020 Fundamentals in Neuroscience, MOOC from Harvard University

Apr 2020 Probability and Statistics, MOOC from University of London

Apr 2020 Philosophy of Cognitive Sciences, MOOC from University of Edinburgh

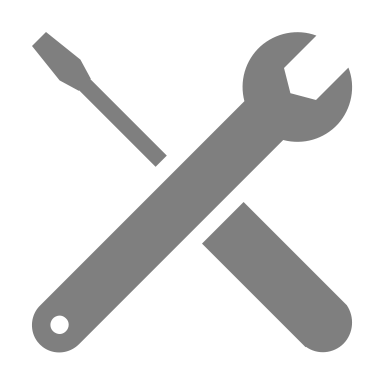
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**Research Experience**

Sep 2019 – Jan 2020 Postgraduate Research Placement  
Institute of Evolutionary Biology and Ecology, University of Bonn, Germany  
Research in cichlid fish behavior and ecology, Biostatistical analysis

Nov 2018 – Jun 2019 Postgraduate Research Placement   
Department of Psychology, University of Stirling, Scotland   
Research in cumulative culture in macaques, ERC-funded Project

Sep 2014 – Nov 2015 Research Assistance  
Schumpeter School of Business & Economics, University of Wuppertal  
Research support in experimental industrial psychology projects

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**Key Skills**

Management: ● Critical Thinking ● Team and Project Management

Teaching: ● Student Supervision ● On- & Offline Teaching Experience

Technical: ● Experimental Design ● Scientific Communication

● Statistical Analysis ● Programming (R, Python, C++, Matlab)

Languages: ● German (native proficiency) ● English (professional proficiency)

● Spanish (native proficiency) ● Catalan (native proficiency)

**Awards and Memberships**

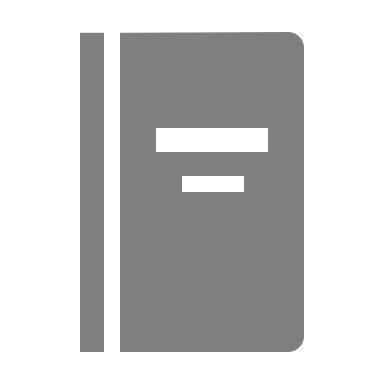
Jan 2022 – present Member of the Society for Neuroscience (SfN)

Jan 2020 – present Member of the Cognitive Science Society (CSS)

Jan 2019 – Dec 2020 Member of the Association for the Study of Animal Behaviour (ASAB)

Dec 2019 External funding from Kyoto University for Conference Contribution

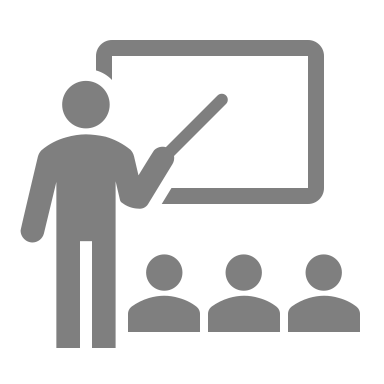
Jun 2019 Best Academic Poster Award, Student conference of the Behaviour and Evolution Research Group, University of Stirling, Scotland

**Publications in peer-reviewed journal**

Ocklenburg, S., Packheiser, J., & **Hidalgo-Gadea, G.** (2022). Social touch in the age of computational ethology: Embracing as a multidimensional and complex behaviour*. Current Psychology*, 1-10.

**Hidalgo-Gadea, G**., Kreuder, A., Krajewski, J. & Vorstius, C. (2021). Towards better microsleep predictions in fatigued drivers: exploring benefits of personality traits and IQ. *Ergonomics, 64*(6), 778-792.

Jansen, M., Jansen, N., Weber, A., **Hidalgo-Gadea, G.**, Ansari, E., & Scheren, P. (2017). Semantic priming with homonymous nouns - hints of clarifying the issue of selective vs. non-selective priming. *Journal of European Psychology Students, 8*(1).

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**Talks and Conference contributions**

**Hidalgo-Gadea, G**. (2022). XXX. Invited speaker at the Institute of Cognitive Neuroscience, Neural Basis of Learning, Ruhr-University Bochum, Germany

**Hidalgo-Gadea, G**. (2022). Investigating embodied memory in pigeons with machine learning during a delayed matching to sample task. Invited speaker at the Conference on Empirical Studies on Situated Cognition (ESSC), Osnabrück University, Germany

**Hidalgo-Gadea, G**., & Güntürkün, O. (2022). What Computational Ethology reveals about Embodied Cognition in Pigeons. Invited speaker at the Situated Cognition Spring School (SCSS), Ruhr-University Bochum, Germany

**Hidalgo-Gadea, G**. (2020). Ecological Implications of Magnitude Interferences in Quantity Discriminations. Invited speaker at the Institute of Evolutionary Biology and Ecology, University of Bonn.

**Hidalgo-Gadea, G**. (2019). Cognitive Magnitude Interferences in Spontaneous Food Choices. Talk at the *International Student Symposium for Animal Behavior and Cognition (ISSABC)* Kyoto University, Japan.

**Hidalgo-Gadea, G.,** & Martin-Ordas, G. **(**2019). Human and Chimpanzee Strategies in Spontaneous Quantitative Cognition. Talk at the Scottish Primate Research Group Spring Meeting 2019.

**Hidalgo-Gadea, G**., Schnieder, S., Krajewski, J. & Vorstius, C. (2017). Fatigue detection based on multimodal biosignal processing. Poster presented at the *2nd Conference for Student Research*, Humboldt University Berlin.

**Hidalgo-Gadea, G**., Schnieder, S., Roelen, S.D., Wiggerich, A., & Krajewski, J. (2016). Measurement of heart rate by mobile wrist bands. Poster presented at the *58th Conference of Experimental Psychology* (TEAP), Heidelberg.

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**Further Publications**

**Hidalgo-Gadea, G.,** & et al (2022). 3d tracking of freely moving pigeons reveals behavioral differences during space and color discrimination tasks. In Abstracts of the xxx SfN

**Hidalgo-Gadea, G.,** & Martin-Ordas, G. (2019). Numerical Cognition in Human and Non-Human Primates. In *Primate Eye*. Paper presented at the Primate Society Great Britain Spring Meeting 2019.

**Hidalgo-Gadea, G**., Kreuder, A., Stahlschmidt, C., Schnieder, S., & Krajewski, J. (2018). Brute Force ECG Feature Extraction Applied on Discomfort Detection. In Pietka, E., Badura, P., Kawa, J. & Wieclawek, W (Ed.), *Information Technology in Biomedicine: Proceedings*, 365. Springer

Schuller, B., Steidl, S., Batliner, A., Bergelson, E., Krajewski, J., ... **Hidalgo-Gadea, G.** ... & Warlaumont, A. S. (2017). The interspeech computational paralinguistics challenge: Addressee, cold & snoring. In *Computational Paralinguistics Challenge (ComParE),* *Interspeech 2017* (3442-3446).

**Hidalgo-Gadea, G.**, Schnieder, S., Roelen, S.D., Wiggerich, A., & Krajewski, J. (2016). Erfassung körperlicher Aktivität in der Selbstevaluation gesundheitsbezogenen Verhaltens: Validität und Usability von Wearables. In *Abstracts of the 58th Conference of Experimental Psychology*. Paper presented at the TEAP, Heidelberg, Germany (p. 128). Langerich: Pabst Science Publishers.