Johanna Bronisch

Short Bio

Dr. Johanna Bronisch works as Senior Consultant at Neon. Amongst other projects, she currently leads the multi-client consortium "Grids & Benefits", which pioneers the design and implementation of local, dynamic network tariffs for distribution and transmission grid operators in Germany to leverage demand-side flexibility. Prior to her work at Neon, she established Energy Innovation as the fourth sector specific initiative at UnternehmerTUM, Europe's largest Entrepreneurship Center. She holds a Ph.D in Computational Neuroscience Humboldt University Berlin and a M.Sc. in Neuroscience and B.Sc. in Psychology from University College London (UCL).

Positions

2025 – present	**Senior Consultant at Neon, Berlin** Advising clients from the public and private sector on electricity markets, and decarbonization, focusing on decentral flexibility, e-mobility and grid fees.
2022 – 2024	**Head of Energy Innovation, UnternehmerTUM, Munich** Building Energy as the companies forth sector-specific vertical, advising companies and start-ups along the electrification value chain and leading multi-client projects to advance power system flexibility
2020 – 2022	**Sustainable Asset Manager, GbR Sigl-Glöckner, Munich** General portfolio development and decarbonization investments in the built environment sector.
2015 – 2019	**Doctoral Researcher, Bernstein Center for Computational Neuroscience, Berlin** Application of cutting-edge 2-photon imaging, electrophysiology and machine learning to understand the processing of neuronal population activity in the rodent cortex
2015 – 2019	**Research Fellow, Charité Universitätsmedizin, Berlin**
2014 – 2015	**Research Student, Max- Planck Institute for Neurobiology, Munich**

Education

2015 – 2019	**Computational Neuroscience (Ph.D.), Humboldt University Berlin** "Puberty-dependent plasticity and chromosomal novelty of excitatory cortical neurons in rodents" (pdf, summa cum laude)
2012 – 2013	**Neuroscience (M.Sc.), University College London (UCL)** '1st Class Honours' with Distinction, 4th of 36
2009 – 2012	**Psychology (B.Sc.) University College London (UCL)** '1st Class Honours' with Distinction (Top 10%)
2007 – 2009	**A-Levels, Marlborough College, UK** Mathematics (A), Chemistry (A), Art (A), German (A)
2001 – 2007	**Wilhelmsgymnasium München**

HONORS

2016	PhD Fellowship of the Böhringer Ingelheim Fonds
2015	PhD Fellowship of the Cluster of Excellence NeuroCure, Charite Berlin

PROJECT HIGHLIGHTS

2024 – ongoing	**Grids and Benefits (Bayernwerk AG, BMW, EWE, LEW, Maingau, Octopus Energy, TenneT, The Mobility House, TransnetBW, RWTH Aachen & UnternehmerTUM).** The growth of e-mobility in Germany offers great flexibility potantial for German transmission and distribution grid operators. In this project, companies along the entire value chain are collaborating to design and pilot concepts for local, dynamic grid fees to provide customers and aggregators with the necessary incentives to shift loads in a market- and grid-friendly way.
2025 – ongoing	**Peak Prices (50Hertz)** The study evaluates the degree to which economical causes, such as fuel and operational costs as well as scarcity prices can explain extremely high power prices and investigates the withholding of capacity by power plant operators to artificially inflate prices as an alternative explanation. The goal is to develop practical recommendations to prevent future price spikes and mitigate their negative effects on consumers.