



*Georg Schauer*, MA, MSc  
**Philosopher and Neuroscientist**

**PhD Student** at the  
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### Objective

Cognitive neuroscientist and philosopher investigating the neural correlates of visual consciousness, based in Tübingen, Germany. I work in a structured, strategic, thorough and goal-oriented fashion, with an interdisciplinary focus on the intersection between metaphysics and empirical brain science, having advanced expertise in both fields.

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### Formal Education

- since 2015     **Doctor of Science in Cognitive Neuroscience**  
 Centre for Integrative Neuroscience, University of Tübingen, Germany  
 Supervised by Dr Andreas Bartels, Dr Hong Yu Wong & Prof Nikos Logothetis  
 I use functional magnetic resonance imaging (fMRI) to discover brain areas associated with multistable perception and then interfere with their normal function by use of transcranial magnetic stimulation (TMS). I also make use of state-of-the-art combined fMRI-TMS as well as TMS-EEG (electroencephalography) to probe directly how TMS affects brain function.
- 2013 — 2014     **Master of Science in Human Cognitive Neuropsychology with Distinction**  
 Department of Psychology, University of Edinburgh, Scotland  
 Thesis title: “TMS and MRI reveal the causal role of parietal cortex in binocular rivalry”
- 2009 — 2013     **Master of Arts in Philosophy with First Class Honours**  
 Department of Philosophy, University of Edinburgh, Scotland  
 Thesis title: “Emergentism should reject causal closure: the case from quantum-chemistry”
- 2007 — 2009     **International Baccalaureate Diploma**  
 United World College in Mostar, Bosnia and Herzegovina

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### Experience

- 2014 — 2015     **Postgraduate Research Internship**  
 Sackler Centre for Consciousness Science, University of Sussex, Brighton, England  
 This work was supported by the Chancellor's scholarship from the University of Sussex. Under the joint supervision of Dr Ryota Kanai and Prof Anil Seth, I used neuronavigated parietal TMS-EEG to investigate bistable structure from motion perception.
- summer 2010     **Politics and Law Internship**  
 Legal Division, Saxon State Ministry of the Environment  
 I analysed and made policy recommendations on a European subsidy for rural development.

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### Publications

- Grassi, P. R.\*, **Schauer, G.\*** & Dwarakanath, A. (2016). The role of the occipital cortex in resolving perceptual ambiguity. *Journal of Neuroscience*, 36(41), 10508-10509. (\*authors contributed equally)
- Schauer, G.**, Chang, A., Schwartzman, D., Rae, C., Iriye, H., Seth, A. & Kanai, R. (2016). Fractionation of parietal cortex observed during bistable perception probed with concurrent TMS-EEG. *Scientific Data*, 3, 160065.
- Schauer, G.**, Kanai, R., & Brascamp, J. W. (2016). Parietal theta burst TMS: Functional fractionation observed during bistable perception not evident in attention tasks. *Consciousness and Cognition*, 40, 105-115.
- Wood, D.\*, **Schauer, G.\***, Bak, T. & Carmel, D. (in preparation). Parietal TMS and binocular rivalry: stimulus and timing dependence resolve contradictory findings. (\*authors contributed equally)

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#### Awards and Scholarships

- 2015 **Grant of the Barbara-Wengeler-Foundation**  
€24,000 stipend to pursue doctoral research into the neural correlates of consciousness.
- 2014 **Chancellor's Masters Scholarship**  
£3000 scholarship to pursue research at the Sackler Centre, University of Sussex.
- 2013 **Skirving Prize**  
Awarded for special excellence during final year honours at the University of Edinburgh.
- 2012 **James Grant Memorial Prize**  
Awarded to the best junior honours essay in the philosophy of mind at the University of Edinburgh.
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#### Certifications

- 2016 **MRI data analysis** — BrainScienceTools Utrecht, Netherlands
- 2016 **MRI advanced user** — University hospital Tübingen
- 2016 **Leadership and Team Building** — Golin-Wissenschafts-Management, Hamburg
- 2015 **MRI Safety** — University hospital Tübingen
- 2015 **Level 2 Emergency first aid at work** — WorkRite Sussex, England
- 2014 **Emergency first aid at work** — Health & Safety Department, University of Edinburgh
- 2013 **Multivariate statistics** — Utrecht Summer School, Netherlands
- 2012 **Graduate Diploma in Psychology** — Aston University Birmingham, England
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#### Conference Talks and Posters

- 2016 **Talk** TeaP Heidelberg Parietal cortex structure and function modulate conscious content
- 2016 **Talk** Forum Scientiarum Disentangling the neural correlates of consciousness from those of perpetual processing and report
- 2015 **Poster** ASSC Conference Paris Parietal TMS and binocular rivalry: stimulus and timing dependence resolve contradictory findings
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#### Professional Skills

- Languages **German** (native), **English** (TOEFL 112), **Dutch** (NT2 Diploma), **Latin** (elementary)
- Public Outreach Award-winning **speaker** at international Model United Nations talks  
**Tourist guide** at the Royal Saxon Porcelain Exhibition in Meißen
- Research Competency in **statistics** using both univariate and multivariate analysis techniques  
Programming expertise in **R** and **Matlab**  
Experience using **TMS**, **Neuronavigation** and **EEG** and **MRI** equipment  
Proficiency in **neural time series analysis** of EEG and fMRI data
- Hobbies Ballroom dancing, choir singing, running
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#### References

**Dr Andreas Bartels**

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