

Dennis Kätzel, D.Phil(OXON), Dipl.-Humanbiol., Mag. Artium

email: dennis.kaetzel"AT"psy.ox.ac.uk

Occupational Career

- Sep 2013 – Nov 15 Research Associate & Group Leader, **University College London, Oxford**
Sep 2011 – Aug 13 Research Associate, Institute of Neurology, **University College London**
Jul 2011 – Feb 14 Academic Visitor, Centre for Neural Circuits & Behaviour, **Oxford**

Education

- Jan 2008 – Jun 11 PhD, **University of Oxford**
Oct 2002 – Sep 07 Course of studies Human Biology, **Marburg**, Germany
Major: Neuroscience, Minors: Cell Biology, Biochemistry, Neurophysics
Oct 2002 – Dec 07 Course of studies Philosophy, **Marburg**, Germany
Major: Philosophy, Minors: Psychology (Physiological, Clinical), Sociology
June 2001 School-leaving certificate ('Abitur'), "Alexander-von-Humboldt-Gymnasium"
Eberswalde, Germany

Lab affiliations and short-term research residencies

- Sep 2013 – Nov 15 David Bannerman, **Oxford**
Okt 2013 Edward Boyden, **M.I.T.**
Aug 2012 Karl Deisseroth, **Stanford**
Sep 2011 – Nov 15 Dimitri Kullmann (postdoctoral adviser), **University College London**
Jan 2008 – Feb 14 Gero Miesenböck (PhD adviser), **Oxford**
May 2007 – Jun 07 Gero Miesenböck, **Yale**
Nov 2006 – Sep 07 Jochen Röper, **Marburg**
Feb 2005 – Mar 06 Thomas Kuner, Bert Sakmann, **Max-Planck-Institute f. Medical Research**

Scholarships & Grants

- 2015 – 2016 **Else-Kröner Förderinitiative** für medizinische Spitzenforscher aus dem Ausland
2015 – 2016 **NARSAD Young Investigator Award** (BBR)
2013 – 2014 **John Fell Fund** (Oxford University Press) start-up grant
2013 – 2015 **Roche Postdoctoral Fellowship** (converted into grant)
2012 – 2015 **Sir Henry Wellcome Postdoctoral Fellowship**
2008 – 11 PhD scholarship of the **Boehringer Ingelheim Fonds**
2008 – 11 PhD scholarship of the **Christopher Welch Scholarship Fund**
2003 – 08 member of the **German National Academic Foundation**, 4 scholarship awards

Industry collaborations

- 2013 – 2015 **Hoffmann-La Roche Ltd.**, CNS Discovery Group; *Optogenetic and chemogenetic dissection of neural circuitry in Schizophrenia*
2011 – pres. **Open Source Instruments Inc.**; *Implantable Sensor with Lamp*

Patent

Patent# GB1404470.5, Intellectual Property Office, United Kingdom; *relating to the use of DREADDs for the treatment of epilepsy*, jointly held by: Kätzel D, Schorge S, Walker M, Kullmann DM; 2014 .

Publications

Kätzel D, Kullmann D: *Optogenetic and chemogenetic tools for drug discovery in schizophrenia*, in Lipina T, Roder J (eds.): **Drug discovery for schizophrenia**, RSC Publishing, 2015.

Kätzel D, Nicholson E, Schorge S, Walker M, Kullmann D: *Chemical-genetic silencing of focal neocortical seizures*, **Nature Communications**, 2014.

Kätzel D & Miesenböck G: *Experience-dependent rewiring of specific inhibitory connections in adult neocortex*, **PLoS Biology**, 2014.

Kätzel D, Zemelman BV, Buetfering C, Wölfel M, Miesenböck G: *The columnar and laminar organization of inhibitory connections to neocortical excitatory cells*, **Nature Neuroscience**, 2011.