

## Moritz Helmstaedter

*Dr. med., Dipl.-Phys.*

\*1978, Berlin, Germany

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## Education, Professional Experience

08/2014-present	Director at the Max Planck Institute for Brain Research, Frankfurt, Germany and Scientific Member of the Max Planck Society.
2011-2014	Group leader and Principal Investigator at the Max Planck Institute of Neurobiology, Munich, Germany.
2006-2011	Scientist (Postdoctoral fellow) at the Max Planck Institute for Medical Research, Heidelberg, Germany, Laboratory of Dr. Winfried Denk.
05-08/2006	Associate intern, McKinsey & Co., Stuttgart, Germany.
2001-2007	Doctoral thesis at the Max Planck Institute for Medical Research, Heidelberg, Germany, Laboratory of Dr. Bert Sakmann ( <i>summa cum laude</i> , issued 01/2010).
1998-2007	Medical school, Ruprecht-Karls-University Heidelberg, Germany. <i>Approbation</i> (Medical license) 01/2008. Specialization during the practical year: Neurology.
1998-2006	<i>Diplom</i> (M.Sc.) in Physics, Ruprecht-Karls-University Heidelberg, Germany.

## Scholarships, Awards, Offers

2014	Professor of Neuroinformatics offer (succession Prof. Rodney Douglas), ETH Zurich (declined)
2013	Bernard Katz Lecture
2011	Lab head offer, HHMI-Janelia Farm Research Campus, Ashburn, Virginia (declined)
2011	PI offer, NINDS/NIH, Bethesda, Maryland (declined)
2009	Otto Hahn Medal awarded by the Max Planck Society
1998-2006	German National Academic Merit Foundation ( <i>Studienstiftung des Deutschen Volkes</i> ), full scholarship

## Professional Activities

Managing Director, Max Planck Institute for Brain Research (rotating tenure, 2017-2020)

### Peer reviewer:

*Boehringer-Ingelheim Foundation, Biophysical Journal, Cell, Cerebral Cortex, eLife, The Journal of Neuroscience, Molecular Psychiatry, Nature, Nature Biotechnology, Nature Communications, Nature Methods, Nature Neuroscience, Nature Reviews Neuroscience, Neuroinformatics, PLoS Computational Biology, PLoS One, Science, The Wellcome Trust.*  
Member of the board of reviewing editors, *eLife* (since 2017).

### Selection committees:

*Max Planck Director selection committees (6 since 2014), Max Planck Research Group Leader selection committees (4 since 2014); Chair of selection panel for Max-Planck-wide group leaders (since 2016), Lise-Meitner Groups Selection panel (2018); German National Academic Merit Foundation (2008-2014).*

Advisory committees: Member of the Scientific Advisory Board of the Biomedical Big Data Center, CAS-MPG Partner Institute of Computational Biology, Chinese Academy of Science (since 2018), Member of the Perspective Committee of the biomedical section of the Max Planck Society (since 2017), Ad-hoc advisor, FlyEM project, Janelia Farm Research Campus, HHMI (2016)

Memberships: The Society for Neuroscience (since 2002), *Max Planck-Hebrew University Center (2015-2017)*.

## Publications

### Research Articles (key publications in bold)

Drawitsch F, Karimi A, Boergens KM, Helmstaedter M (2018) FluoEM, virtual labeling of axons in 3-dimensional electron microscopy data for long-range connectomics, *eLife* doi:10.7554/eLife.38976

Schmidt H, Gour A, Straehle J, Boergens KM, Brecht M, Helmstaedter M (2017) Axonal synapse sorting in medial entorhinal cortex. *Nature* 28;549(7673):469-475.

Boergens KM, Berning M, Bocklisch T, Bräunlein D, Drawitsch F, Frohnhofen J, Herold T, Otto P, Rzepka N, Werkmeister DW, Wiese G, Wissler H, Helmstaedter M (2017) webKnossos: Efficient Online 3D Data Annotation for Connectomics. *Nature Methods* 14(7): 691-694.

Staffler B, Berning M, Boergens KM, Gour A, van der Smagt P, Helmstaedter M (2017) SynEM, automated synapse detection for connectomics. *eLife*, doi: 10.7554/elife.26414.

Berning M, Boergens KM, Helmstaedter M (2015) SegEM: Efficient Image Analysis for High-Resolution Connectomics. *Neuron* 87(6):1193-206 (Cover article).

Hua Y, Laserstein P, Helmstaedter M (2015) Large-volume en-bloc staining for electron microscopy-based connectomics. *Nature Communications* 6:7923.

Hoffmann JH, Meyer HS, Schmitt AC, Straehle J, Weitbrecht T, Sakmann B, Helmstaedter M (2015) Synaptic Conductance Estimates of the Connection Between Local Inhibitor Interneurons and Pyramidal Neurons in Layer 2/3 of a Cortical Column. *Cerebral Cortex* 25(11):4415-29.

Koelbl C, Helmstaedter M, Lübke J, Feldmeyer D (2013) A barrel related interneuron in layer 4 of rat. Somatosensory cortex with a high intrabarrel connectivity. *Cerebral Cortex* 25(3):713-25.

**Helmstaedter M, Briggman KL, Turaga S, Jain V, Seung HS, Denk W (2013) Connectomic reconstruction of the inner plexiform layer in the mouse retina. *Nature* 500: 168-174.**

Egger R, Narayanan RT, Helmstaedter M, de Kock CP, Oberlaender M (2012) 3D Reconstruction and Standardization of the Rat Vibrissal Cortex for Precise Registration of Single Neuron Morphology. *PLoS Comput Biol* 8(12):e1002837.

Andres B, Koethe U, Kroeger T, Helmstaedter M, Briggman KL, Denk W, Hamprecht FA (2012) 3D segmentation of SBFSEM images of neuropil by a graphical model over supervoxel boundaries. *Medical Image Analysis* 16:796-805.

Oberlaender M, de Kock CP, Bruno RM, Ramirez A, Meyer HS, Dercksen VJ, Helmstaedter M, Sakmann B (2012) Cell Type-Specific Three-Dimensional Structure of Thalamocortical Circuits in a Column of Rat Vibrissal Cortex. *Cerebral Cortex* 22(10):2375-91.

Meyer HS, Schwarz D, Wimmer VC, Schmitt AC, Kerr JN, Sakmann B, Helmstaedter M (2011) Inhibitory interneurons in a cortical column form hot zones of inhibition in layers 2 and 5A. *Proceedings of the National Academy of Sciences (PNAS)* 108:16807-16812.

Helmstaedter M, Briggman KL, Denk W (2011) High-accuracy neurite reconstruction for high-throughput neuroanatomy. *Nature Neuroscience* 14:1081-1088 featured in "High-throughput anatomy: Charting the brain's networks" *Nature* 490:293-298.

Briggman KL, Helmstaedter M, Denk W (2011) Wiring specificity in the direction-selectivity circuit of the mammalian retina. *Nature* 471:183-188.

Meyer HS, Wimmer VC, Hemberger M, Bruno RM, de Kock CP, Frick A, Sakmann B, Helmstaedter M (2010) Cell Type-Specific Thalamic Innervation in a Column of Rat Vibrissal Cortex. *Cerebral Cortex* 20:2287-2303 (Cover article).

Meyer HS, Wimmer VC, Oberlaender M, de Kock CP, Sakmann B, Helmstaedter M (2010) Number and Laminar Distribution of Neurons in a Thalamocortical Projection Column of Rat Vibrissal Cortex. *Cerebral Cortex* 20:2277-2286.

Turaga S, Murray J, Jain V, Roth F, Helmstaedter M, Briggman KL, Denk W, Seung HS (2010) Convolutional networks can learn to generate affinity graphs for image segmentation. *Neural Computation* 22:511-538.

Helmstaedter M, Sakmann B, Feldmeyer D (2009) L2/3 interneuron groups defined by multiparameter analysis of axonal projection, dendritic geometry, and electrical excitability. *Cerebral Cortex* 19:951-962.

Helmstaedter M, Sakmann B, Feldmeyer D (2009) The relation between dendritic geometry, electrical excitability, and axonal projections of L2/3 Interneurons in rat barrel cortex. *Cerebral Cortex* 19:938-950.

Helmstaedter M, Sakmann B, Feldmeyer D (2009) Neuronal correlates of local, lateral, and translaminar inhibition with reference to cortical columns. *Cerebral Cortex* 19:926-937. (Cover article).

Helmstaedter M, Staiger JF, Sakmann B, Feldmeyer D (2008) Efficient recruitment of layer 2/3 interneurons by layer 4 input in single columns of rat somatosensory cortex. *Journal of Neuroscience* 28:8273-8284.

Frick A, Feldmeyer D, Helmstaedter M, Sakmann B (2008) Monosynaptic connections between pairs of L5A pyramidal neurons in columns of juvenile rat somatosensory cortex. *Cerebral Cortex* 18:397-406.

Schaefer AT\*, Helmstaedter M\*, Schmitt AC, Bar-Yehuda D, Almog M, Ben-Porat H, Sakmann B, Korngreen A (2007) Dendritic voltage-gated K<sup>+</sup> conductance gradient in pyramidal neurons of neocortical layer 5B from rats. *Journal of Physiology* 579:737-752. \*equally contributing

Schaefer AT, Helmstaedter M, Sakmann B, Korngreen A (2003) Correction of conductance measurements in non-space-clamped structures: 1. Voltage-gated K<sup>+</sup> channels. *Biophysical Journal* 84:3508-3528.

## Reviews, Perspectives

Amit I, Baker D, Barker R, Berger B, Bertozzi C, Bhatia S, Biffi A, Demichelis F, Doudna J, Dowdy SF, Endy D, Helmstaedter M et al. (2016) Voices of biotech. *Nature Biotechnology* 34, 270-275.

Borst A, Helmstaedter M (2015) Common circuit design in fly and mammalian motion vision. *Nature Neuroscience* 18:1067-1076.

Helmstaedter M, (2015) The mutual inspirations of machine learning and neuroscience. *Neuron* 86(1):25-28.

Helmstaedter M (2013) Cellular-resolution connectomics: challenges of dense neural circuit reconstruction. *Nature Methods* 10:501-507 in Feature on Brain Mapping.

Denk W, Briggman KL, Helmstaedter M (2012) Structural neurobiology: missing link to a mechanistic understanding of neural computation. *Nature Reviews Neuroscience* 13:351-358.

Helmstaedter M, Mitra PP (2012) Computational methods and challenges for large-scale circuit mapping. *Current Opinion in Neurobiology* 22:162-169.

Kleinfeld D, Bharioke A, Blinder P, Bock DD, Briggman KL, Chklovskii DB, Denk W, Helmstaedter M, Kaufhold JP, Lee WC, Meyer HS, Micheva KD, Oberlaender M, Prohaska S, Reid RC, Smith SJ, Takemura S, Tsai PS, Sakmann B (2011) Large-scale automated histology in the pursuit of connectomes *Journal of Neuroscience* 31:16125-16138.

Helmstaedter M, Briggman KL, Denk W (2008) 3D structural imaging of the brain with photons and electrons. *Current Opinion in Neurobiology* 18:633-641.

Ascoli GA, Alonso-Nanclares L, Anderson SA, Barrionuevo G, Benavides-Piccione R, Burkhalter A, Buzsaki G, Cauli B, Defelipe J, Fairen A, Feldmeyer D, Fishell G, Fregnac Y, Freund TF, Gardner D, Gardner EP, Goldberg JH, Helmstaedter M, Hestrin S, Karube F, Kisvarday ZF, Lambolez B, Lewis DA, Marin O, Markram H, Munoz A, Packer A, Petersen CC, Rockland KS, Rossier J, Rudy B, Somogyi P, Staiger JF, Tamas G, Thomson AM, Toledo-Rodriguez M, Wang Y, West DC, Yuste R (2008) Petilla terminology: nomenclature of features of GABAergic interneurons of the cerebral cortex. *Nature Reviews Neuroscience* 9:557-568.

Helmstaedter M, de Kock CP, Feldmeyer D, Bruno RM, Sakmann B (2007) Reconstruction of an average cortical column in silico. *Brain Research Reviews* 55:193-203.

### **Book chapters**

Boergens K, Berning M, Helmstaedter M (2016) Dendritic connectomics in: Dendrites (eds Stuart, Spruston, Häusser) 3<sup>rd</sup> ed. *Oxford University Press*, p. 623-638.

Helmstaedter M, Feldmeyer D (2010) Axons predict neuronal connectivity within and between cortical columns and serve as primary classifiers of interneurons in a cortical column. in: New aspects of axonal structure and function (Feldmeyer D, Lubke JHR, ed.). Springer New York, p. 141-155.

### **Patent**

Seung HS, Murray JF, Jain V, Turaga SC, Helmstaedter M, Denk W. Method and apparatus for image processing. Published Patent Application No. 20100183217.

## Invited presentations

2020 Plenary Speaker European Microscopy Congress | 2019 Gordon Research Conference, Maine, USA | Max Planck/HHMI Connectomics Conference (co-organizer), Berlin, Germany | MPI Florida Science meets Music Lecture and Concert, Palm Beach, USA 2018 Max Planck Meeting Valparaiso, Chile | Dagstuhl Seminar, Wadern, Germany | Big Data in the Biosciences, Berlin, Germany | 2<sup>nd</sup> Sino-German Symposium *Development and Maintenance of Brain Function: From Basic Mechanisms to Disease*, Berlin, Germany | 2<sup>nd</sup> Peking University International Neuroimaging (PUIN), Beijing, China | Brain Conference Copenhagen, Denmark | Max Planck Symposium *Frontiers in Bioscience*, Buenos Aires, Argentina | Plenary Speaker INCF Congress on Neuroinformatics, Montreal, Canada | Peking University, Beijing, China | Japan Neuroscience Meeting 2018, Kobe, Japan | Keynote FENS Satellite Symposium Berlin, Germany | Connectomics Conference Janelia Farm, Ashburn, USA | Leopoldina and IAS Symposium *From Synapses to Circuits in Health and Disease*, Berlin, Germany 2017 DFN, Bonn, Germany | Karlsruhe Institute for Technology (KIT), Karlsruhe, Germany | Bernstein Conference 2017, Goettingen, Germany | Leopoldina Symposium, Halle, Germany | Physics Symposium Radboud University, Nijmegen, Netherlands | Brain Connectivity Workshop 2017, Zurich University and ETH Zurich, Switzerland | DIPP PhD Retreat of the Dresden International PhD Program, Berlin, Germany | 10<sup>th</sup> Student Symposium on Molecular Medicine, Ulm University, Germany | Max Planck/HHMI Connectomics Conference (co-organizer), Berlin, Germany | Gordon Research Conference on Dendrites, Lucca, Italy | Keystone Symposium on Connectomics, Santa Fe, USA | BCCN, Berlin, Germany 2016 Connectomics Workshop NIPS Barcelona, Spain | Leopoldina and Israel Academy of Sciences and Humanities Inter-Academy Symposium Jerusalem, Israel | Second Max Planck Symposium, Buenos Aires, Argentina | Physical Colloquium Halle University, Germany | CSH Asia Meeting, Shanghai, China | Keynote Annual Meeting of the German Anatomical Society, Goettingen, Germany | University Heidelberg, Germany | Symposium *Frontiers in Network Science*, Hamburg, Germany | rmn2 Frankfurt/Mainz, Germany | SCANDEM, Trondheim, Norway | Colloquium Max Planck Institute for Plasma Physics, Garching, Germany | Keynote *Barrel Cortex Function* Amsterdam 2016, Netherlands | Saarbruecken University, Germany | Connectomics conference Janelia Farm, Ashburn, USA | Research Data Alliance Europe, Amsterdam, Netherlands | Keynote Annual Meeting Clinical Neuroscience, Bern, Switzerland | Crick Centenary Symposium, Columbia and Rockefeller Universities, New York, USA | CAS Tandem Lecture: Quantitative Network Science, LMU Munich, Germany 2015 University of Helsinki, Finland | MPG-CAS ERTC *Big Data*, CAS, Shanghai, China | Chinese-German Meeting "Brain Development: Basic mechanisms and diseases", CAS, Beijing, China | 5<sup>th</sup> Neuroscience Symposium, Cambridge, UK | Keynote Talk Symposium "*Cutting-edge Technologies in Life Science*"; Martinsried, Germany | *Psychiatry Colloquium*, Ulm University, Germany | *Oxford University Cortex Club*, UK | *Physics Colloquium*, Duisburg University, Germany | Vollum Institute Portland, USA | Keynote Speaker Annual Winter Conference, Soelden, Austria | Keynote Talk Forschungszentrum Juelich, Germany | Annual Meeting German Physical Society, Berlin, Germany | Lecture at Pasteur Institute, Paris, France | Plenary lecture, Annual Meeting Swiss Society for Neuroscience, Fribourg, Switzerland 2014 BMFZ Heine University Düsseldorf, Germany | Brain Mind Institute, EPFL, Lausanne, Switzerland | Plenary lecture, Meeting of the Italian Physiological Society - Isle of Capri, Italy | Google Sci Foo 2014, Mountain View, USA | Harvard University, Boston, USA | HHMI/Max Planck connectomics conference (co-organizer), Berlin, Germany | Gordon Research Conference Synaptic Transmission, New Hampshire, USA | Microscience and Microscopy Congress, Manchester, UK | Jacques-Monod-Conference, Roscoff, France | CNCR Institute, VU University, Amsterdam, Netherlands | Workshop Physical, Engineering, and Biological Limits to Brain Measurements, Arlington, USA | Microscopy club, Laser Laboratory, Goettingen, Germany | Collaborations in Neuroscience Symposium, Max Planck Florida Institute for Neuroscience, Jupiter, USA | Max Planck Institute of Psychiatry, Munich, Germany | Annual Meeting Pro-Retina Foundation, Potsdam, Germany | Workshop Analyzing neural circuits and control theory, Cold Spring Harbor Laboratory, USA | Department of Diagnostic Radiology, University Freiburg, Germany | Institute seminar, Max Planck Florida Institute for Neuroscience, Jupiter, USA | Max Planck Meeting, Valparaiso, Chile 2013 MPI for Biological Cybernetics, Tuebingen, Germany | NERF Neurotechnology Symposium, Leuven, Belgium | Workshop *Physical and Mathematical Principles of Brain Structure and Function*, NSF, Arlington, USA | Workshop *Visualization in Medicine and Life Sciences*, Leipzig, Germany | Gatsby Unit, UCL, London, UK | Microscopy & Microanalysis Conference, Indianapolis, USA | Max Planck Institute for Brain Research, Frankfurt, Germany | caesar Conference, Bonn, Germany | Institut de la vision, Paris, France | International Society for Magnetic Resonance in Medicine workshop, Split, Croatia | Biology and Medicine Section of the Max Planck Society Symposium, Berlin,

Germany | Bernard Katz Lecture, Israel Society for Neuroscience, Eilat, Israel **2012** Bernstein Center for Computational Neuroscience, Berlin, Germany | École Supérieure de la Physique et Chimie, Paris, France | Visual Computing Workshop, German Informatics Society, Berlin, Germany | FENS Symposium (Symposium Co-chair and speaker), Barcelona, Spain | Conference *Next Generation Medical Imaging* Carnegie Mellon University, Pittsburgh, USA | Bernstein Conference, Bernstein Center Munich, Germany | European Microscopy Conference, Royal Microscopical Society, Manchester, UK | Workshop *Scaling up connectomics*, Janelia Farm Research Campus, HHMI, Ashburn, USA | Institute of Neuroinformatics, ETH Zurich, Switzerland | Allen Institute for Brain Science, Seattle, USA | Neural Information Processing Systems (NIPS) Meeting (Workshop co-organizer), Lake Tahoe, USA **2011** PANOS conference, Dortmund, Germany | Microscopy conference, Kiel, Germany | Connectomics conference, Janelia Farm Research Campus, HHMI, Ashburn, USA | NIMR, London, UK | MPG/Tokyo University meeting, Tokyo, Japan | MRC, Cambridge, UK **2010** Symposium *Cortical Column in silico*, Max Planck Florida Institute, Jupiter, USA | Conference *Neuronal Circuits*, Cold Spring Harbor Laboratory, USA | Conference *The Neural Basis of Vibrissa-Based Tactile Sensation*, Janelia Farm Research Campus, HHMI, Ashburn, USA | Berlin Colloquium on Scientific Visualization, Konrad Zuse Institute, Berlin | Monday Seminar of the Institute for Brain Research, University of Zürich, Switzerland | HHMI Janelia Farm Research Campus, Ashburn, USA | Center for Molecular and Behavioral Neuroscience, Rutgers University, New Jersey, USA | Princeton Neuroscience Institute, USA **2009** Berlin Circuit Conference HHMI/Max Planck Society, Germany | NINDS, National Institute of Health, Bethesda, USA **2008** Barrels Meeting, Johns Hopkins University, Baltimore, USA

## Teaching

**2018** Summer School Visual Neuroscience, Rauschholzhausen, Germany | Neuroscience Lecture Radboud University, Nijmegen, Netherlands **2017** Cajal School on Connectomics, Bordeaux, France | FENS-IBRO Cajal Course, Lisbon, Portugal **2016** Cajal Course in Computational Neuroscience 2016 (CCCN), Lisbon, Portugal | Donders Summer School on Neural Metrics, Nijmegen, Netherlands **2015** ACCN, Lisbon, Portugal | Donders Summer School on Neural Metrics, Nijmegen, Netherlands **2014** 3rd Latin-American Summer School in Computational Neuroscience, Valparaiso, Chile **2013** INCF sponsored course, University of Antwerp, Belgium **2012** PhD course, University Goettingen, Germany | PhD course, Karolinska Institutet, Stockholm, Sweden | PhD course, International Max Planck Research School, Muenster, Germany | Barcelona Cognition, Brain and Technology Summer School, Barcelona, Spain | *Neuroinformatics Course*, Marine Biological Laboratory, Woods Hole, USA **2011** *Neuroinformatics Course*, Marine Biological Laboratory, Woods Hole, USA | PhD course *Staromics*, Université de Fribourg, Switzerland | PhD course, University of Copenhagen, Denmark | *Workshop on Circuit & Molecular Architecture of the Vertebrate Brain*, Cold Spring Harbor Laboratory, USA **2010** *Workshop on Circuit & Molecular Architecture of the Vertebrate Brain*, Cold Spring Harbor Laboratory, USA | Horizons in Molecular Biology, Max Planck Graduate School, Goettingen, Germany **2009** Graduate seminar *Introduction to Connectomics*, MIT and Harvard University, Cambridge, USA **2008-2012** *General Human Physiology* for the introductory practical courses for 1<sup>st</sup> and 2<sup>nd</sup> year medical students at Heidelberg University Medical School, Germany

## Public media coverage / Public lectures

**2018** Innovators Summit AI – from Hype to Reality, Munich, Germany | ZVEI-Jahreskongress 2018, Berlin, Germany | Latest Thinking [Link](#) **2017** SWR2 Impuls – 1000 Antworten [Link](#) | Labjournal – Journal Club [Link](#) | Frankfurter Rundschau, *Was unser Fühlen, Denken, Handeln bestimmt* [Link](#) | ICNF Frankfurt am Main | **2016** Merton-Magazin, *Masterplan für die Hirnvermessung* [Link](#) | Schule MIT Wissenschaft, Erfurt | Salongespräch Schering-Stiftung & Komische Oper, Berlin | Connectomics debate Helmstaedter – Movshon, CNS New York 2016 [Link](#) **2015** Schule MIT Wissenschaft, Braunschweig | FIAS, Frankfurt am Main | *Campus Talks*, ARD Alpha, München [Link](#) | Lange Nacht der Naturwissenschaften MK Braunschweig | **2014** BioTechniques, *Mapping Neural Connections* [Link](#) | Science, *Investments Boost Neurotechnology Career Prospects* | Science, *Connectomics at the Cutting Edge* (webinar together with Jeff Lichtman) [Link](#) | Gehirn und Geist, *Der Netzwerk-Analysator* [Link](#) | Die Welt, *So wird die Hirnforschung zu einem großen Spiel* [Link](#) | Frankfurter Allgemeine Zeitung, *Kartograph des Gehirns* | Frankfurter Rundschau, *Die Vermessung des Gehirns - Einem*

*Mysterium auf der Spur* [Link](#) | BioTechniques, *Mapping Neural Connections* [Link](#) | Caesarium, Center of Advanced European Studies and Research, Bonn [Link](#) | Bild der Wissenschaft (print), [Link](#) | BRα, *Brainflight – Forschung als Spiel*, [Link](#) | *Wissenschaft für Jedermann*, Campus Martinsried, Munich | *Science meets music* public lecture, Max Planck Florida Institute for Neuroscience, Jupiter | Hebrew University/Max Planck Brain Forum: Frontiers in Brain Research, Berlin | Laborjournal, *Hirnforschung @ Home*, [Link](#) | **2013** Nature Methods, *Neuroscience waves to the crowd*, [Link](#) | Science, *This is your brain: Mapping the connectome*, [Link](#) | Stuttgarter Zeitung, *Das kartierte Gehirn*, [Link](#) | Deutschlandfunk, *Nächstes Level Großhirnrinde*, [Link](#) | Wired, *Zweites Leben: Die Digitalisierung des Gehirns* | Science writers guild New York, panel discussion | Tech open air, Berlin | DasGehirn.info, *Das Labyrinth im Gehirn*, [Link](#) | Focus (print), *Freiwillige Forscher* | Rundfunk Berlin-Brandenburg, Radio interview | Economist blog, *Crowdsourced connectomics: Mind games*, [Link](#) | Focus online, *Operation Brainflight: Mit dem Flugsimulator durchs Mäusehirn*, [Link](#) | DLD Conference, Munich, *Game Based Brain Reconstruction*, [Link](#) | **2012** DER SPIEGEL, *Im Flug durch das Gehirn*, [Link](#) | Nature, *High-throughput anatomy: Charting the brain's networks*, [Link](#) | **2011** TEDx Vienna, *Brain Mapping*, [Link](#)