

Personal information

Name **Dr. Simone Mayer**
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Professional Experience

09/2018 – present **Independent Research Group Leader “Molecular Brain Development” at Hertie Institute for Clinical Brain Research**
University of Tübingen, *Tübingen, Germany*

05/2015 – 08/2018 **Postdoctoral Scholar at University of California, San Francisco**
Laboratory of Prof. Dr. Arnold Kriegstein, Eli and Edythe Broad Center of Regeneration Medicine and Stem Cell Research, *San Francisco, USA*

10/2014 – 02/2015 **Blue Book Trainee at European Research Council (ERC)**
ERC Executive Agency, European Commission, *Brussels, Belgium*

06/2011 – 08/2014 **Researcher at Max Planck Institute of Experimental Medicine**
Laboratory of Dr. Theofilos Papadopoulos / Prof. Dr. Nils Brose, Department of Molecular Neurobiology, *Göttingen, Germany*

10/2010 – 03/2011 **Researcher at Yale University**
Laboratory of Prof. Dr. Nenad Sestan, Department of Neurobiology, *New Haven, USA*

Education

06/2011 – 06/2014 **Dr. rer. nat. (PhD), International Max Planck Research School Molecular Biology**
Georg August University, *Göttingen, Germany*

10/2009 – 04/2011 **Master of Science (MSc), International Max Planck Research School Molecular Biology**
Georg August University, *Göttingen, Germany*

10/2006 – 06/2009 **Bachelor of Arts (BA honours) / Master of Arts in Natural Sciences**
University of Cambridge, Sidney Sussex College, *Cambridge, UK*

Grants and Fellowships

08/2018 **NARSAD Young Investigator Grant** – awarded by the Brain and Behavior Research Foundation

05/2017 - 08/2018 **Research fellowship** – awarded by the German Research Foundation (DFG)

07/2015 – 04/2017 **Long-term fellowship** – awarded by European Molecular Biology Organisation (EMBO)

10/2011 **PhD Excellence Stipend** – awarded by the Göttingen Graduate School for Neurosciences, Biophysics, and Molecular Biosciences (GGNB)

10/2010 – 01/2011 **Master thesis stipend** – awarded by the German Academic Exchange Service (DAAD)

06/2009 **Samuel Taylor Scholarship** – awarded for academic excellence by Sidney Sussex College, Cambridge, UK

Publications

- 2019 *Multimodal single-cell analysis reveals physiological maturation in the developing human neocortex* – **Neuron**. 2019 Apr 3;102(1):143-158.
Mayer S*, Chen J*, Velmeshev D, Mayer, A, Eze U, Paredes MF, Alvarado B, Wang S, Cunha CE, Lovegren N, Gonzales ML, Szpankowski, L, Leyrat, A, West, JAA, Alvarez-Buylla A, Nowakowski TJ, Pollen AA, Kriegstein AR
- 2018 *Does Adult Neurogenesis Persist in the Human Hippocampus?* – **Cell Stem Cell**, 2018 Dec 6;23(6):780-781.
Paredes MF*, Sorrells SF*, Cebrian-Silla A, Sandoval K, Qi D, Kelley KW, James D, **Mayer S**, Chang J, Auguste KI, Chang EF, Gutierrez Martin AJ, Kriegstein AR, Mathern GW, Oldham MC, Huang EJ, Garcia-Verdugo JM, Yang Z, Alvarez-Buylla A*.
- 2018 *The adult human hippocampus does not contain a proliferative neurogenic niche* – **Nature**, 2018 Mar 15;555(7696):377-381.
Sorrells SF*, Paredes MF*, Cebrian-Silla A, Sandoval K, Qi D, Kelley KW, James D, **Mayer S**, Chang J, Auguste KI, Chang E, Gutierrez Martin AJ, Kriegstein AJ, Mathern GW, Oldham M, Huang EJ, Garcia-Verdugo JM, Yang Z, Alvarez-Buylla A
- 2013 *Collybistin activation by GTP-TC10 enhances postsynaptic gephyrin clustering and hippocampal GABAergic neurotransmission* – **Proc Natl Acad Sci U S A**. 2013 Dec 17;110(51):20795-800.
Mayer S, Kumar R, Jaiswal M, Soykan T, Ahmadian MR, Brose N, Betz H, Rhee JS, Papadopoulos T
- 2011 *Spatiotemporal transcriptome of the human brain* – **Nature**. 2011 Oct 26; 478(7370):483-9.
Kang HJ, Kawasawa YI, Cheng F, Zhu Y, Xu X, Li M, Sousa AM, Pletikos M, Meyer KA, Sedmak G, Guennel T, Shin Y, Johnson MB, Krsnik Z, **Mayer S**, Fertuzinhos S, Umlauf S, Lisgo SN, Vortmeyer A, Weinberger DR, Mane S, Hyde TM, Huttner A, Reimers M, Kleinman JE, Sestan N

Book Contributions

- 2016 *The expansion of the cortical sheet in primates* – In: Kaas, J (ed.), **Evolution of Nervous Systems**, 2e. vol. 3, pp. 59–71. Oxford: Elsevier.
Mayer S, Kriegstein AR

Invited Talks

- 03/2019 **From normal brain development to pathology: what role does the environment play?**, Symposium at the 13th Goettingen Meeting of the German Neuroscience Society, Goettingen, Germany
- 07/2018 **Neurotransmitter signaling in brain development and disease - looking beyond synapses**, Symposium at the Federation of European Neuroscience Societies (FENS) Forum, Berlin, Germany
- 07/2018 **Ludwig-Maxilians-Universität and HelmholtzZentrum**, Munich, Germany
- 06/2018 **VIB-KU Leuven, Center for Brain and Disease Research**, Leuven, Belgium
- 06/2018 **EMBO Fellows Meeting**, European Molecular Biology Laboratory, Heidelberg, Germany
- 03/2018 **Hertie Institute for Clinical Brain Research**, Tübingen, Germany
- 09/2017 **Institute of Cell Biology and Neurobiology, Charité - Universitätsmedizin Berlin**, Berlin, Germany
- 09/2017 **Molecular and Cellular Mechanisms of Neural Circuit Assembly / AXON2017**, Institute of Science and Technology Austria, Klosterneuburg, Austria
- 06/2017 **Bay Area Postdoc Symposium**, Buck Institute, Novato, USA
- 05/2017 **Brain and Spine Institute (ICM)**, Paris, France

03/2017 **Institute of Neuronal Cell Biology, Technical University of Munich**, Munich, Germany

12/2016 **Max Planck Institute for Brain Research**, Frankfurt, Germany

11/2016 **EMBO USA Fellows Meeting**, Koch Institute for Integrative Cancer Research Massachusetts Institute of Technology, Cambridge, USA

08/2016 **Gordon Research Conference**, Neural Development, Newport, USA

04/2016 **Single Cell Genomics Meeting**, University of California, San Francisco, USA

05/2014 **Max Planck Institute of Neurobiology**, Munich, Germany

Service to Academic Community

08/2018 – present **Reviewer Neural Development**

03/2019 **Co-Chair of the Symposium “From normal brain development to pathology: what role does the environment play?”** at the 13th Goettingen Meeting of the German Neuroscience Society, Goettingen, Germany

08/2018 **Co-Chair of the Gordon Research Seminar** in Neural Development 2018, Newport, USA

07/2018 **Co-Chair of the Symposium “Neurotransmitter signaling in brain development and disease - looking beyond synapses”** at the Federation of European Neuroscience Societies (FENS) Forum in Berlin in July 2018

08/2017 **Speaker and panelist** of a workshop on grant writing for international postdoctoral scientists, UCSF, San Francisco, USA

10/2010 – 12/2012 Organizer of the 8th and 9th **International Symposium "Horizons in Molecular Biology"**: Head of the Speakers group, Public relations group, and member of the Planning and Coordination group

05/2011 – 05/2012 **PhD Student representative** at the International Max Planck Research School, MSc/PhD Program Molecular Biology. Tasks: active participation in the decision-making process of the graduate school at different levels