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Education and Professional Experience

2020 – present	Research Group Leader Ernst Strüngmann Institute for Neuroscience, Frankfurt am Main, Germany.
2018 – 2020	Post-doc Max Planck Institute for Brain Research, Frankfurt am Main, Germany.
2012 – 2018	PhD-thesis Humboldt University Berlin, Germany. Research carried out in cooperation with the Max Planck Institute for Brain Research, Frankfurt am Main, Germany. Supervisor: Prof. Michael Brecht. Title: Large-scale circuit reconstruction in medial entorhinal cortex. Graduated summa cum laude.
2009 – 2012	M.Sc. in Computational Neuroscience Bernstein Center for Computational Neuroscience, Humboldt University Berlin / Technical University of Berlin, Germany.
2006 – 2009	B.Sc. in Cognitive Science University of Osnabrück, Germany. Thesis (2008-2009) at the California Institute of Technology, USA, under the supervision of Prof. Christof Koch.

Awards

2018	Humboldt Prize for best PhD thesis
2018	Otto Hahn Medal awarded by the Max Planck Society
2018	Otto Hahn Award bestowed by the Max Planck Society

Publications

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

Tang Q, Burgalossi A, Ebbesen CL, Sanguinetti-Scheck JI, **Schmidt H**, Tukker JJ, Naumann R, Ray S, Preston-Ferrer P, Schmitz D, Brecht M. Functional Architecture of the Rat Parasubiculum. J Neurosci. 2016 Feb 17;36(7):2289-301.

Tang Q, Burgalossi A, Ebbesen CL, Ray S, Naumann R, **Schmidt H**, Spicher D, Brecht M. Pyramidal and stellate cell specificity of grid and border representations in layer 2 of medial entorhinal cortex. Neuron. 2014 Dec 17;84(6):1191-7.

Ray S*, Naumann R*, Burgalossi A*, Tang Q*, **Schmidt H***, Brecht M. Grid-layout and theta-modulation of layer 2 pyramidal neurons in medial entorhinal cortex. Science. 2014 Feb 21;343(6173):891-6. *equally contributing.

Brecht M, Ray S, Burgalossi A, Tang Q, **Schmidt H**, Naumann R. An isomorphic mapping hypothesis of the grid representation. Philos Trans R Soc Lond B Biol Sci. 2013 Dec 23;369(1635):20120521.