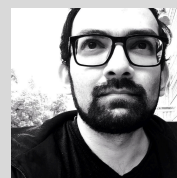


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Curriculum vitae

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|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| since Sep 2015 | BIH – Delbrück Fellow |
| Oct 2014 – Aug 2015 | Parental leave |
| May 2010 – Aug 2015 | Postdoctoral fellow Advisor: Prof. Dr. Dietmar Schmitz Neuroscience Research Centre, Charité, Berlin. Germany |
| Oct 2006 – Sep 2010 | PhD thesis – ‘Microcircuitry in the Entorhinal Cortex’ 1st Reviewer: Prof. Dr. Dietmar Schmitz 2nd Reviewer: Prof. Dr. Stephan Sigrist Neuroscience Research Centre, Charité, Berlin. Germany |
| Oct 2004 – Sep 2006 | MSc in Neural and Behavioural Sciences, International Max Planck Research School, Tübingen, Germany. |
| 2000 – 2004 | BTech in Industrial Biotechnology, Centre for Biotechnology, College of Engineering, Chennai, India. |

Research fields

Cortical circuits in health and disease

Cortical processing of information in the temporal lobe is relevant for memory storage, consolidation and recall. In particular I am interested in understanding how the connectivity patterns and physiology of individual neurons subserve network functions in the entorhinal cortices. We investigate changes in such network functions (oscillatory rhythms) in pathophysiology that affect memory related information processing.

Activities in the scientific community, honors, awards

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| 2016 | Chair of the session: S28 - Neuronal, Synaptic and Circuit alterations in Alzheimer's Disease at the 10th FENS Forum of Neuroscience – Copenhagen, Denmark |
| Since 09.2015 | BIH-Delbrück Fellowship (Private Excellence Initiative Johanna Quandt, administered by Stiftung Charité) |
| Since 01.2014 | Member of Global Young Academy |
| 2013 | AT Kearney Fellowship and Scholar to attend the Falling Walls Lab |
| 2013 | Gordon Prize for the best talk at the Gordon Research Seminar |
| 2012 | Chair of the session: S42 - Medial entorhinal cortex: dissecting the microcircuits at the 8th FENS Forum of Neuroscience – Barcelona, Spain |
| 2012 | AT Kearney Fellowship to attend the Falling Walls Lab |
| 2011 | Tiburtius Prize for the best PhD dissertation in Berlin |
| 2004 – 2006 | Max Planck Fellowship |

Selected publications

- Tang Q, Ebbesen CL, Sanguinetti-Scheck JI, Preston-Ferrer P, Gundlfinger A, Winterer J, **Beed P**, Ray S, Naumann R, Schmitz D, Brecht M & Burgalossi A. Anatomical organization and spatiotemporal firing patterns of layer 3 neurons in the rat medial entorhinal cortex. *J. of Neuroscience* 35: 12346-12354.
- Beed P**, Gundlfinger A, Schneiderbauer S, Song J, Böhm C, Burgalossi A, Brecht M, Vida I & Schmitz D. (2013). Inhibitory gradient along the dorso-ventral axis in the medial entorhinal cortex. *Neuron* 79:1197-1207.
- Canto CB, Koganezawa N, **Beed P**, Moser EI & Witter MP. (2012). All Layers of Medial Entorhinal Cortex Receive Pre- and Parasubicular Inputs. *J. of Neuroscience* 32:17620-17631.
- Maier N*, Tejero-Cantero A*, Dorrn AL, Winterer J, **Beed PS**, Morris G, Kempster R, Poulet JF, Leibold C* & Schmitz D*. (2011). Coherent phasic excitation during hippocampal ripples. *Neuron* 72:137-152.
- Beed P***, Bendels M*, Wiegand HF, Leibold C, Jochenning FW* & Schmitz D*. (2010). Analysis of excitatory microcircuitry in the medial entorhinal cortex reveals cell-type-specific differences. *Neuron* 68:1059-1066.
- Trimbuch T*, **Beed P***, Vogt J*, Schuchmann S, Maier N, et al. (2009). Synaptic PRG-1 modulates excitatory transmission via lipid phosphate-mediated signaling. *Cell* 138:1222-1235.

* equal contribution