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Curriculum vitae

- since 2011 Professor (W3), Cellular and Molecular Neurobiology, Charité
- 2010 – 2011 Professor, Molecular Neurobiology, Biomedical School, Department of Anatomy and Human Sciences, King's College London
- 2001 – 2011 Principle investigator, MRC Centre for Developmental Neurobiology, King's College London
- 2005 – 2010 Senior lecturer, King's College London
- 2001 – 2005 Lecturer, King's College London
- 2000 – 2001 Research fellowship, King's College London, Insurgency Research Group (IRG)
- 1998 – 2000 Postdoctoral researcher (Advisor: Prof. Pat Doherty), Molecular Neurobiology Group, King's College London
- 1995 – 1998 PhD, Biochemistry (Advisor: Prof. Pat Doherty), Guy's Hospital, United Medical and Dental School
- 1993 – 1994 Diploma thesis, Max Planck Institute for Developmental Biology, Tübingen
- 1989 – 1993 Degree-Biology Eberhard Karls Universität Tübingen;
- 1988 – 1989 Degree-Biology Heinrich Heine Universität, Düsseldorf (transferred to Tübingen)

Research fields

Our group is active in the field of:

- Cellular and molecular mechanisms of axon guidance and neuronal circuit formation
- Temporal and spatial aspect of neuronal signaling in developmental and regenerative growth
- Signalling mechanism in neurodevelopmental disorders and the aging brain

Activities in the scientific community, honors, awards

- 2011 Co-organizer, EMBO practical course on "Developmental Neurobiology: From Worms to Mammals", London
- 2010 Member of expert committee, call for proposals into "Fundamental research to clinical aspects of nervous system diseases, The French National Research Agency (ANR)"
- 2010 Member of expert evaluation committee, evaluating the "Centre de Génétique et de Physiologie Moléculaire et Cellulaire Mouchiroud", Lyon for the Agence d'Evaluation de la Recherche et de l'Enseignement Supérieur (AERES)
- 2009 Member of the evaluation committee, École Normale Supérieure, Paris
- since 2006 Postgraduate training co-ordinator, PhD program in Developmental Neurobiology, King's College London
- since 2002 Recipient of external grants: British Councils (Medical Research Council, Biotechnology and Biological Sciences Research Council) and British Charities (Wellcome Trust, Research into Aging)

Selected publications

Kay, L, Humphreys, L, Eickholt, BJ and Burrone, J. Neuronal activity drives matching of pre- and postsynaptic function during synapse maturation. *Nat Neurosci*. 2011.

van Diepen, MT, Parsons, M, Downes, CP, Leslie, NR, Hindges, R and Eickholt, BJ. MyosinV controls PTEN function and neuronal cell size. *Nat Cell Biol*. 2009; 11, 1191-6.

Schwarz, Q, Vieira, JM, Howard, B, Eickholt, BJ and Ruhrberg, C. Neuropilin 1 and 2 control cranial gangliogenesis and axon guidance through neural crest cells. *Development*. 2008; 135, 1605-13.

Cosker, KE, Shadan, S, van Diepen, M, Morgan, C, Li, M, Allen-Baume, V, Hobbs, C, Doherty, P, Cockcroft, S and Eickholt, BJ. Regulation of PI3K signalling by the phosphatidylinositol transfer protein PITPalpha during axonal extension in hippocampal neurons. *J Cell Sci*. 2008; 121, 796-803.

Eickholt, BJ, Ahmed, AI, Davies, M, Papakonstanti, EA, Pearce, W, Starkey, ML, Bilancio, A, Need, AC, Smith, AJ, Hall, SM, Hamers, FP, Giese, KP, Bradbury, EJ and Vanhaesebroeck, B. Control of axonal growth and regeneration of sensory neurons by the p110delta PI 3-kinase. *PLoS One*. 2007; 2, e869.

Cole, AR, Causeret, F, Yadirgi, G, Hastie, CJ, McLauchlan, H, McManus, EJ, Hernandez, F, Eickholt, BJ, Nikolic, M and Sutherland, C. Distinct priming kinases contribute to differential regulation of collapsin response mediator proteins by glycogen synthase kinase-3 in vivo. *J Biol Chem*. 2006; 281, 16591-8.

Chadborn, NH, Ahmed, AI, Holt, MR, Prinjha, R, Dunn, GA, Jones, GE and Eickholt, BJ. PTEN couples Sema3A signalling to growth cone collapse. *J Cell Sci*. 2006; 119, 951-7.

Osborne, NJ, Begbie, J, Chilton, JK, Schmidt, H and Eickholt, BJ. Semaphorin/neuropilin signaling influences the positioning of migratory neural crest cells within the hindbrain region of the chick. *Dev Dyn*. 2005; 232, 939-49.

Brown, M, Jacobs, T, Eickholt, B, Ferrari, G, Teo, M, Monfries, C, Qi, RZ, Leung, T, Lim, L and Hall, C. Alpha2-chimaerin, cyclin-dependent Kinase 5/p35, and its target collapsin response mediator protein-2 are essential components in semaphorin 3A-induced growth-cone collapse. *J Neurosci*. 2004; 24, 8994-9004.

Eickholt, BJ, Walsh, FS and Doherty, P. An inactive pool of GSK-3 at the leading edge of growth cones is implicated in Semaphorin 3A signaling. *J Cell Biol*. 2002; 157, 211-7.