Andrea Kühn

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Curriculum vitae

2015	Offered Professorship (W3), Charité, Berlin; Head of Movement Disorder and Neuromodulation Unit at the Department of Neurology, Charité, Berlin
2015	Offered Professorship (W3), Director of Department of Neurology, Medizinische Hochschule Hannover, Hannover, Germany (declined)
since 2012	Associate Professor (W2), Movement Disorders, Department of Neurology, Charité
since 2012	Head, Movement Disorder Section, Department of Neurology, Charité, CVK
since 2011	Faculty member of the Berlin School of Mind and Brain
since 2010	Consultant, Department of Neurology (Director: Dr. Matthias Endres), Charité
2008	Organizer, International Mini-Basal Ganglia Symposiums (London-Oxford-Berlin) Charité
since 2007	Group leader, Motor Neuroscience Group, Department of Neurology, Charité since
2007	Assistant Professor, Movement Disorders, Department of Neurology, Charité
2006	Offered Professorship (W2), Movement Disorders, Department of Neurology, Johann Wolfgang Goethe University, Frankfurt am Main (declined)
2006	Specialization in Neurology (Facharzt)
2002 - 2007	Research fellow (Prof. Peter Brown), Sobell Department of Motor Neuroscience and Movement Disorders, Institute of Neurology, UCL, London
1998 - 2002	Resident, Department of Neurology (Director Prof. K. M. Einhäupl), Charité
1998	Doctoral degree (MD), Charité, Humboldt-Universität zu Berlin

Research fields

- Pathophysiology of movement disorders (Parkinson's disease, dystonia)
- Action mechanism of deep brain stimulation (invasive recording from the human basal ganglia and use of deep brain stimulation as a lesion model)
- Clinical studies: deep brain stimulation for movement disorders
- Functional role of neuronal oscillatory activity of the human basal ganglia
- Invasive recordings from human basal ganglia: multiunit activity and local field potentials, EEG, and transcranial magnetic stimulation

Activities in the scientific community, honors, awards

2015	Richard Jung Award, Deutsche Gesellschaft für Klinische Neurophysiologie
2013	Poster Award, German Society of Clinical Neurophysiology
2011	3 Poster Awards, German Society of Clinical Neurophysiology
2006	Poster Award, German Society of Clinical Neurophysiology
2004 - 2006	Career Advance Grant, Charité – Universitätsmedizin Berlin, Humboldt-Universität zu Berlin (Habilitationsstipendium Rahel Hirsch)

2002 - 2004 Postdoctoral fellow, German Academic Exchange Service (DAAD)

Selected publications

Merkl A, Neumann WJ, Huebl J, Aust S, Horn A, Krauss JK, Dziobek I, Kuhn J, Schneider GH, Bajbouj M, Kuhn AA. Modulation of Beta-Band Activity in the Subgenual Anterior Cingulate Cortex during Emotional Empathy in Treatment-Resistant Depression. Cereb Cortex. 2016;26(6):2626-38.

Neumann WJ, Jha A, Bock A, Huebl J, Horn A, Schneider GH, Sander TH, Litvak V, Kuhn AA. Cortico-pallidal oscillatory connectivity in patients with dystonia. Brain. 2015;138(Pt 7):1894-906.

Horn A, Kuhn AA. Lead-DBS: a toolbox for deep brain stimulation electrode localizations and visualizations. Neuroimage. 2015;107:127-35.

Siegert S, Herrojo Ruiz M, Brucke C, Huebl J, Schneider GH, Ullsperger M, Kuhn AA. Error signals in the subthalamic nucleus are related to post-error slowing in patients with Parkinson's disease. Cortex; a journal devoted to the study of the nervous system and behavior. 2014;60:103-20.

Neumann WJ, Huebl J, Brucke C, Gabriels L, Bajbouj M, Merkl A, Schneider GH, Nuttin B, Brown P, Kuhn AA. Different patterns of local field potentials from limbic DBS targets in patients with major depressive and obsessive compulsive disorder. Mol Psychiatry. 2014;19(11):1186-92.

Huebl J, Spitzer B, Brucke C, Schonecker T, Kupsch A, Alesch F, Schneider GH, Kuhn AA. Oscillatory subthalamic nucleus activity is modulated by dopamine during emotional processing in Parkinson's disease. Cortex; a journal devoted to the study of the nervous system and behavior. 2014;60:69-81.

Herrojo Ruiz M, Rusconi M, Brucke C, Haynes JD, Schonecker T, Kuhn AA. Encoding of sequence boundaries in the subthalamic nucleus of patients with Parkinson's disease. Brain. 2014;137(Pt 10):2715-30.

Herrojo Ruiz M, Huebl J, Schonecker T, Kupsch A, Yarrow K, Krauss JK, Schneider GH, Kuhn AA. Involvement of human internal globus pallidus in the early modulation of cortical error-related activity. Cereb Cortex. 2014;24(6):1502-17.

Barow E, Neumann WJ, Brucke C, Huebl J, Horn A, Brown P, Krauss JK, Schneider GH, Kuhn AA. Deep brain stimulation suppresses pallidal low frequency activity in patients with phasic dystonic movements. Brain. 2014;137(Pt 11):3012-24.

Green N, Bogacz R, Huebl J, Beyer AK, Kuhn AA, Heekeren HR. Reduction of influence of task difficulty on perceptual decision making by STN deep brain stimulation. Curr Biol. 2013;23(17):1681-4.

Volkmann J, Wolters A, Kupsch A, Muller J, Kuhn AA, Schneider GH, Poewe W, Hering S, Eisner W, Muller JU, Deuschl G, Pinsker MO, Skogseid IM, Roeste GK, Krause M, Tronnier V, Schnitzler A, Voges J, Nikkhah G, Vesper J, Classen J, Naumann M, Benecke R, dystonia DBSsgf. Pallidal deep brain stimulation in patients with primary generalised or segmental dystonia: 5-year follow-up of a randomised trial. Lancet Neurol. 2012;11(12):1029-38.

Brucke C, Huebl J, Schonecker T, Neumann WJ, Yarrow K, Kupsch A, Blahak C, Lutjens G, Brown P, Krauss JK, Schneider GH, Kuhn AA. Scaling of movement is related to pallidal gamma oscillations in patients with dystonia. J Neurosci. 2012;32(3):1008-19.