

Curriculum Vitae

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Education

10/2005 – 04/2012 **Ludwig-Maximilians-Universität (LMU), Munich**
Medical school

02/2008 – 07/2013 **Adolf-Butenandt Institut, LMU Munich**
Dissertation with summa cum laude, Mentor: Prof. Dr. Ralph AW Rupp
"Functional analysis of the *Xenopus oct3/4* frog homolog *oct60* by Morpholino knockdown approach"

Positions and Fellowships

06/2012 – 08/2012 **Research Trainee**
Psychiatry Neuroimaging Laboratory, BWH, Harvard Medical School, Boston, USA

since 10/2012 **Medical Resident**
Department of Neurology, University Hospital, LMU Munich

08/2014-01/2016 **Intensive training in EEG and presurgical evaluation of pharmacoresistant epilepsy**, Mentor: Prof. Dr. S. Noachtar
Epilepsy Center, Dept. of Neurology, University Hospital, LMU Munich

since 10/2012 **Postdoctoral Research Fellow**
Epilepsy Center, Department of Neurology, University Hospital, LMU Munich
Fields of interest: Deep Brain Stimulation, Imaging in Epilepsy and Narcolepsy

since 10/2017 **Postdoctoral Research Fellow**
Scholarship „Bayerische Gleichstellungsförderung 2017 – Förderung der Chancengleichheit für Frauen in Forschung und Lehre“

since 12/2017 **Visiting Research Fellow**
Psychiatry Neuroimaging Laboratory, BWH, Harvard Medical School, Boston, USA

Scholarship of the German Society for Clinical Neurophysiology and functional Imaging (DGKN)

Honors and Awards

2004	Wilhelm-Else Heraeus Foundation scholarship for highly talented students
2005-2011	Max-Weber Foundation scholarship for highly talented high-school graduates
2013	European Neurological Society, ENS travel scholarship, 23 rd Meeting of the ENS, Barcelona
2014	European Federation of Neurological Societies, EFNS travel scholarship, Joint Congress of European Neurology, Istanbul
2007-2009	LMU Förderung für Forschung und Lehre (FöFoLe), LMU Munich Research grant for doctoral students
07/2015-01/2017	LMU Förderung für Forschung und Lehre (FöFoLe), LMU Munich Research grant for postdoctoral research fellows
12/2015	MeCuM Mentor, LMU Munich Mentor of the Year 2015
05/2016	Stiftung Michael travel scholarship, 28 th Practical Seminar Epilepsy and EEG, Gargnano
12/2016	MeCuM Mentor, LMU Munich Mentor of the Year 2016
10/2017-02/2019	Scholarship „Bayerische Gleichstellungsförderung 2017 – Förderung der Chancengleichheit für Frauen in Forschung und Lehre“ Research Grant
12/2017-05/2018	Scholarship of the German Society for Clinical Neurophysiology and functional Imaging (DGKN) Research Grant

Other Qualifications and Activities

since 2015	MeCuM Mentor, LMU Munich
11/2013	Certification as Investigator for Medical Studies, LMU Munich
2016	EEG Certificate, German Society of Epileptology
10/2016-02/2017	40th MeCuM Intensiv-Seminar Lehre (InSeL), LMU Munich
07/2016-11/2017	Resident's Representative, Dept. of Neurology, LMU Munich

Professional Societies

since 2013	Member of the German Neurological Society (DGN)
since 2014	Member of the American Epilepsy Society (AES)
since 2016	Member of the German Society for Clinical Neurophysiology and functional Imaging (DGKN)
since 2016	Member of the German Society of Epileptology (DGfE)

Ad hoc Reviewer

since 2016	Clinical EEG and Neuroscience
since 2017	Oxford University Press
since 2017	Brain Imaging and Behavior

Original Articles

2012	Koerte I*, Kaufmann D*, Hartl E , Bouix S, Pasternak O, Kubicki M, Rauscher A, Li D, Dadachanji S, Taunton J, Forwell L, Johnson A, Echlin P, Shenton M. White Matter Integrity in Ice Hockey Players. <i>Neurosurgical Focus</i> , 2012 Nov; 33:E3
2014	Vollmar C, Goc J, Khalilieh N, Rémi J, Hartl E , Catarino C, Noachtar S. Diffusion Tensor Imaging und Traktografie detektieren mikrostrukturelle Veränderungen bei kryptogener fokaler Epilepsie, <i>Klin Neurophysiol</i> 2014; 45 - V32
2015	D'Adamo M, Gallenmüller C, Servettini I, Hartl E , Tucker S, Arning L, Biskup S, Grotessi A, Guglielmi L, Imbrici P, Bernasconi P, Di Giovanni G, Franciolini F, Catacuzzeno L, Pessia M, Klopstock T. Novel phenotype associated with a mutation in the KCNA1(Kv1.1) gene, <i>Frontiers in Physiology</i> , 2015 Jan; 5:525
2015	Loesch AM, Feddersen B, Tezer I, Hartl E , Rémi J, Vollmar C, Noachtar S. Seizure Semiology Identifies Patients with Bilateral Temporal Lobe Epilepsy, <i>Epilepsy Research</i> , 2015 Jan; 109:197-202
2015	Werhahn K*, Hartl E *, Hamann K, Breimhorst M, Noachtar S. Latency of Interictal Epileptiform Discharges in Long-term EEG Recordings. <i>Seizure</i> , 2015 Jul;29:20-5, *shared first-authorship
2015	Baysal-Kirac L, Rémi J, Loesch AM, Hartl E , Vollmar C, Noachtar S. Eye Movements Differ Between Ictal Ipsilateral and Contralateral Head Turning, <i>Epilepsy Research</i> , 2015 Aug;114:73-7
2015	Güldiken B, Hartl E , Rémi J, Noachtar S. Ictal Asystole Mimicking Seizure Deterioration in Temporal Lobe Epilepsy, <i>Epileptic Disorder</i> , 2015 Sep;17:332-5
2015	Hartl E , Rémi J, Noachtar S. Two patients with visual aura – migraine, epilepsy or migralepsy?, <i>Headache</i> , 2015 Sep;55:1148-51

- 2016 Baysal-Kirac L, Rémi J, **Hartl E**, Loesch AM, Vollmar C, Noachtar S. Interictal Rhythmic Midline Theta Rhythm is Common in Frontal Lobe Epilepsy But Not Specific to Any Subcompartment, *Journal of Neurological sciences [Turkish]*, 2016 May;33(2):207-213
- 2016 Cunha JP, Choupina H, Rocha A, Fernandes J, Achilles F, Loesch AM, Vollmar C, **Hartl E**, Noachtar S, A novel low-cost 3D video-EEG system for epileptic seizure motion quantification, *PLoS One*, 2016 Jan;11(1): e0145669
- 2016 **Hartl E**, Vollmar C, Rémi J, Loesch AM, Goc J, Rominger A, Noachtar S. PET Imaging in Extratemporal Epilepsy requires consideration of electroclinical findings, *Epilepsy Research*, 2016 Sep,125:72-6
- 2017 **Hartl E**, Rémi J, Stoyke C, Noachtar S. What's the „L“ in PLEDs? Lateralized or Localized, *Acta Neurologica Scandinavica*, 2017,00:1–4
- 2017 **Hartl E**, Gonzales-Victores JA, Rémi J, Schankin CJ, Noachtar S, Visual Auras in Epilepsy and Migraine – an Analysis of Clinical Characteristics, *Headache*, 2017,57(6)
- 2017 Loesch AM, Steger H, Loshner C, **Hartl E**, Rémi J, Vollmar C, Noachtar S. Seizure Associated Aphasia is More Common in Parieto-occipital Than in Other Epilepsies, *Epilepsia*, 2017,58(9)
- 2017 Blumcke I*, Spreafico R*, Haaker G, Coras R, Kobow K, Bien CG, Pfäfflin M, Elger C, Widman G, Schramm J, Becker A, Braun KP, Leijten F, Baayen JC, Aronica E, Chassoux F, Hamer H, Stefan H, Rössler K, Thom M, Walker MC, Sisodiya SM, Duncan JS, McEvoy AW, Pieper T, Hothausen H, Kudermnatsch M, Meencke HJ, Kahane P, Schulze-Bonhage A, Zentner J, Heiland DH, Urbach H, Steinhoff BJ, Bast T, Tassi L, Lo Russo G, Özkara C, Oz B, Krsek P, Vogelgesang S, Runge U, Lerche H, Weber Y, Honavar M, Pimentel J, Arzimanoglou A, Ulate-Campos A, Noachtar S, **Hartl E**, Schijns O, Guerrini R, Barba C, Jacques T, Cross JH, Feucht M, Mühlebner A, Grunwald T, Trinka E, Winkler PA, Gil-Nagel A, Toledano Delgado R, Mayer T, Lutz M, Zountsas B, Garganis K, Rosenow F, Hermsen A, von Oertzen TJ, Diepgen TL, and Avanzini G, for the EEBB Consortium*, Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery, *NEJM*, 2017,377(17)
- 2017 Sollmann N, Echlin PS, Schultz V, Viher PV, Lyall AE, Tripodis Y, Kaufmann D, **Hartl E**, Kinzel P, Forwell LA, Johnson AM, Skopelja EN, Lepage C, Bouix S, Pasternak O, Lin AP, Shenton ME, Koerte I. Sex differences in white matter alterations following repetitive subconcussive head impacts in collegiate ice hockey players. *Neuroimage: Clinical*, 2017, 17:642-649
- 2017 Staudigl T, **Hartl E**, Noachtar S, Doeller CF, Jensen O. Saccades are Phase-Locked To Alpha Oscillations In The Occipital And Medial Temporal Lobe during successful memory encoding. *PLOS Biology*, 2017, 15(21):e2003404
- 2018 Rémi J, Bubeck S, **Hartl E**, Tezer I, Noachtar S, kSpindel Reduction Precedes Seizures by Several Epochs, *Clinical Neurophysiology*, 2018, *in revision*
- 2018 Panchal H, Sollmann N, Kinzel P, Alosco ML, Kaufmann D, **Hartl E**, Forwell LA, Johnson AM, Skopelja EN, Shenton ME, Koerte IK, Echlin PS, Lin AP. Neuro-metabolite Changes and Sex Differences in a Single Season of University Ice Hockey Using Magnetic Resonance Spectroscopy. *Frontiers in Neurology*, 2018, *in revision*

Review Articles and Letters

- 2015 **Hartl E**. Interiktales EEG bei Epilepsie, *Das Neurophysiologie Labor*, 2015

- 2017 **Hartl E.** Synkopen, TIA, TGA & Migräne. In: Differentialdiagnose epileptischer Anfälle. Der Nervenarzt, 2017, 88(10):1126-1132
- 2017 **Hartl E,** Feddersen B, Bötzel K, Mehrkens JH, Noachtar S. Letter to the Editor: Seizure control and active termination by anterior thalamic deep brain stimulation, Brain Stimulation, 2017,10:168–170
- 2018 **Hartl E,** Noachtar S. Methodik EEG: Stellenwert und technische Voraussetzungen der EEG Untersuchung, Klinische Neurophysiologie, 2018, *in press*
- 2018 **Hartl E,** Bötzel K, Mehrkens JH, Noachtar S. Letter to the Editor: Seizure reductions outlast DBS explantation. Brain Stimulation, 2018, *in press*

Book Chapters

- 2015 Noachtar S und **Hartl E.** Seizure Semiology and Scalp EEG in MRI-negative Refractory Partial Epilepsy. In: So E and Ryvlin P (Hrsg.) MRI Negative Epilepsy: Evaluation and Surgical Management, 2015
- 2016 **Hartl E,** Mühlau M, Noachtar S. Antikonvulsive Therapie. In: Tonn JC, Kreth FW, Goldbrunner R, Meyer B (editors) TZM-Manual: Hirntumoren und primäre Tumoren des Rückenmarks, 2016
- 2018 **Hartl E** und Noachtar S. Methodik EEG: Stellenwerte und technische Voraussetzungen der EEG Untersuchung. In: Bischoff C, Buchner H (Hrsg.) SOPs in der Klinischen Neurophysiologie. 2018, *in press*
- 2018 Noachtar S und **Hartl E.** Epilepsie und Enzephalopathie. In: Bischoff C, Buchner H (Hrsg.) SOPs in der Klinischen Neurophysiologie. 2018, *in press*
- 2018 **Hartl E** und Noachtar S. Clinical evaluation of seizures and epilepsies. In: Sarma GRK (Hrsg.), Neurological examination: a structured approach, 2018, *in press*