

PostDoc researcher



Volker Ressel, Dr. rer. Nat Neurobiologist

Address

Center for MR-Research
University
Children's Hospital Zurich
Eleonore Foundation
Steinwiesstrasse 75
CH-8032 Zürich

phone +41 44 266 79 06
fax +41 44 266 71 53
volker.ressel@kispi.uzh.ch
www.kispi.uzh.ch

Research

- Effectiveness of active therapeutic interventions after neurological disorders
- Possible MRI markers as predictors for rehabilitation outcome in children with acquired brain injuries
- Volumetric and structural changes after brain lesions and during training

Curriculum vitae

Education

- 2008 **Dr. rer. Nat / PhD in Neuroscience (magna cum laude)**, „*Language development and hemispheric dominance: Development and application of language tasks for children using magnetoencephalography*“, University of Tübingen, Germany
- 2002 **Dipl. Nat. ETH / Master of Science in Neuroscience and Behavior**, „*Sleep and sleep regulation in female mice*“, Department for Biology, ETH Zurich, Switzerland

Professional Training

- 2014 **Good Clinical Practice GCP** training, modules 1-3, Clinical Trial Center CTC, University of Zurich
- 2008 **Graduate Training Centre of Neuroscience**, International Max Planck Research School, University of Tübingen, Germany

Employment

- since 2013 **PostDoc**, Rehabilitation Center and Center for MR-Research, University Children's Hospital Zurich
- 2008 - 2013 **PostDoc**, Center of Brain and Cognition, University Pompeu Fabra, and Grup de Recerca Neurociència Cognitiva, Parc Científic de Barcelona, University of Barcelona, Spain.
- 2004 - 2008 **Research Assistant**, Department of Developmental Pediatrics and Child Neurology, Children's Hospital, University of Tübingen, Germany.
- 2004 **Visiting scientist**, Department of Diagnostic Imaging, Hospital for Sick Children, University of Toronto, Canada.
- 2003 **Test examiner**, Department of Child and Adolescent Psychiatry. University of Zurich, Switzerland.
- 2001 **Research Assistant**, Institute of Pharmacology and Toxicology, University of Zurich, Switzerland
- 2000 **Trainee**, Institute of Zoology, University of Zurich, Switzerland.

Publications

- Ressel V**, O'Gorman Tuura RL, Scherer I, van Hedel HJA. (2016) Diffusion Tensor Imaging predicts motor outcome in children with acquired brain injury. *Brain Imaging and Behavior* 11(5):1373-1384
- Ressel V**, Pallier C, Ventura-Campos N, Diaz B, Roessler A, Avila C, Sebastián-Gallés N. (2012) An effect of bilingualism on the auditory cortex. *Journal of Neuroscience* 32(47):16597-601
- Sebastián-Gallés N, Soriano-Mas C, Baus C, Díaz B, **Ressel V**, Pallier C, Costa A, Pujol J (2011) Neuroanatomical markers of individual differences in native and non-native vowel perception. *Journal of Neurolinguistics* 25, 150-162
- Juenger H, **Ressel V**, Braun C, Ernemann U, Schuhmann M, Krägeloh-Mann I, Staudt M (2009) Misleading fMRI mapping of the cortical hand representation in a 4-year-old boy with arteriovenous malformation of the central region. *Journal of Neurosurgery: Pediatrics* 4(4):333-8.
- Ressel V**, Wilke M, Lidzba K, Lutzenberger W, Krageloh-Mann I (2008) Increases in language lateralization in normal children as observed using magnetoencephalography. *Brain and Language* 106, 167-176.
- Herdman AT, Pang EW, **Ressel V**, Gaetz W, Cheyne D (2007) Task-related modulation of early cortical responses during language production: an event-related synthetic aperture magnetometry study. *Cereb Cortex* 17(11):2536-43
- Ressel V**, Wilke M, Lidzba K, Preißl H, Krageloh-Mann I, Lutzenberger W (2006) Language lateralization in magnetoencephalography: two tasks to investigate hemispheric dominance. *Neuroreport* 17(11):1209-13
- Kopp C, **Ressel V**, Wigger E, Tobler I (2006) Influence of estrus cycle and ageing on activity patterns in two inbred mouse strains. *Behavioural Brain Research* 167(1): 165-74.