

## CURRICULUM VITAE – Prof. Dr. DANIEL BRANDEIS

### Work addresses:

Department of Child and Adolescent Psychiatry and Psychotherapy  
Psychiatric Hospital, University of Zürich  
Neumünsterallee 9  
CH- 8032 Zürich

Tel. /Fax +41 43 499 2763/2604, [brandeis@kjpd.uzh.ch](mailto:brandeis@kjpd.uzh.ch)

Department of Child and Adolescent Psychiatry and Psychotherapy  
Central Institute of Mental Health  
Medical Faculty Mannheim/ Heidelberg University  
J 5

D- 68159 Mannheim

Tel. /Fax +49 621 1703 4922/4505, [daniel.brandeis@zi-mannheim.de](mailto:daniel.brandeis@zi-mannheim.de)

- 1975-1979 **Studies in Biology & Behavioral Sciences, ETH Zürich.**  
1979 **Diploma** (Dipl. natw. ETH in Naturwissenschaften / Biologie), Thesis “*Veränderungen von Frequenz- und Amplitudencharakteristika in den Schlafstadien 3 und 4 nach Schlafentzug*“ (supervisors D. Lehmann, A. Borbély, I. Strauch).
- 1980-1982 **Graduate School of Psychology, University of British Columbia (UBC),** Vancouver, Canada.
- 1982 **M.A. Psychology.** Thesis “An electrocortical investigation of word recognition in a backward masking paradigm” (supervisors: R.D. Hare, A. Treisman, D. Kahneman).
- 1982-86 **Research assistant** Neurology, University Hospital Zürich, **doctoral student** Biology, ETH Zürich.
- 1986 **Doctorate** (Dr. sc. nat. ETH). Dissertation “*Spatial analysis of event-related brain potentials in perception and cognition*” (supervisors H. Fischer, D. Lehmann).
- 1987-89 **Postdoc,** University of California Medical School, and V.A. Medical Center, San Francisco. SNF fellow and UCSF research associate. Topic “*Brain mapping of neurotransmitter effects on attention and human information processing*”.
- 1989-91 **Research assistant,** Neurology, University Hospital Zürich (D. Lehmann).  
1990 **Consultant,** University of California, San Francisco (Oct/Nov. 1990).
- 1991-04 **Senior Researcher and Head Neurophysiology,** Department of Child and Adolescent Psychiatry, University of Zürich (Director H.-C. Steinhausen).
- 1999 **Privatdozent (PD, Venia legendi / Habilitation)** „*Cognitive Brain Mapping*“ in clinical neurophysiology, Medical Faculty, University of Zürich.
- 2001 **JSPR Fellow,** Ibaraki University, Mito, Japan (H. Ozaki, Feb/Mar. 2001).
- since 2004 **Head of Brain Mapping Research** (40% since 2009, 50% since 2015), Department of Child and Adolescent Psychiatry, University of Zürich.
- since 2006 **Professor** (Titularprofessur), Medical Faculty, University of Zürich.  
Topics: Multimodal imaging of development and regulation, attention & ADHD, reading & dyslexia, training & plasticity, multicenter studies, genetics.
- since 2009 **Professor** (W3), Medical Faculty Mannheim/ Heidelberg University, and research group leader on developmental clinical neurophysiology (60%, 50% since 2015), Department of Child and Adolescent Psychiatry and Psychotherapy, Central Institute of Mental Health Mannheim (ZI). Topics: Multimodal imaging of development, ADHD, neurofeedback, conduct disorder, plasticity, gene x environment interactions.

**Research interests:** Neurophysiology and multimodal imaging of developmental trajectories and plasticity in child and adolescent psychiatry, disorder-specific and shared pathophysiological brain mechanisms, state regulation, attention, sleep & ADHD, reading & dyslexia, neuroscience based prediction, prevention and training, neurofeedback & plasticity, multicenter studies, imaging genetics and gene x environment interactions.

**Publications:** more than 150 peer reviewed original publications, h-index=44.

*Five most important recent publications:*

- Brem, S., Bach, S., Kucian, K., Kujala, J., Guttorm, T., Martin, E., Lyytinen, H., **Brandeis, D\***, & Richardson, U.\* (2010). Brain sensitivity to print emerges when children learn letter speech sound correspondences. *Proceedings of the National Academy of Sciences of the United States of America*, 107(17), 7939-7944. [\* equal contributions]
- Lüchinger, R., Michels, L., Martin, E., & **Brandeis, D.** (2012). Brain state regulation during normal development: intrinsic activity fluctuations in simultaneous EEG-fMRI. *Neuroimage*, 60(2), 1426–1439.
- Plichta, M. M., Wolf, I., . . . Flor, H., Laucht, M., Banaschewski, T., Kirsch, P., Meyer-Lindenberg, A., & **Brandeis, D.** (2013). Simultaneous EEG and fMRI reveals a causally connected subcortical-cortical network during reward anticipation. *Journal of Neuroscience*, 33(36), 14526-14533.
- Sonuga-Barke, E. J. S., **Brandeis, D.**, Cortese, S., Daley, D., Ferrin, M., Holtmann, M., . . . , European ADHD Guidelines Group. (2013). Nonpharmacological interventions for ADHD: Systematic review and meta-analyses of randomized controlled trials of dietary and psychological treatments. *American Journal of Psychiatry*, 170(3), 275-289.
- Hauser, T. U., Iannaccone, R., Ball, J., Mathys, C., **Brandeis, D.**, Walitza, S., & Brem, S. (2014). Medial prefrontal cortex mediates impaired decision making processes in juvenile attention deficit/hyperactivity disorder (ADHD). *JAMA Psychiatry*, 71(10):1165-73.

**Grants:** SNF, EU and University grants as PI and CI, grant volume >1 Mio CHF over 5 years

**Awards:**

**1987**                      **ETH Silver Medal** for outstanding doctoral thesis  
**2003**                      **Kramer-Pollnow Award** for biological research on ADHD

**Editorial /Advisory Boards:**

Brain Topography, Journal of Child Psychology and Psychiatry.

**Reviews:** Reviewer for various international journals, international, national & private research organisations and funding agencies (SNF, DFG etc.).

**Teaching and supervision:**

Regular University lectures courses and lab visits in Zurich, Mannheim/Heidelberg and other universities and Institutions and workshops abroad.  
 Supervision /co-supervision of more than 40 doctoral and master theses (M.D., Ph.D., lic. phil., dipl. natw. ETH., M.Sc.)

**Memberships:**

International Brain Research Organization (IBRO), Society for Biological Psychiatry, Society for Psychophysiological Research (SPR), International Society for Brain Electromagnetic Topography (ISBET) and Neuroimaging in Psychiatry (ISNIP), Swiss Societies for Neuroscience (SSN) and Clinical Neurophysiology (SGKN), Zurich neuroscience and human physiology networks (ZNZ, ZIHP), EUNETHYDIS (European Network on Hyperkinetic Disorders).

## Publications (h-index= 44)

### Original work with peer review

1. Borbély, A. A., Baumann, F., **Brandeis, D.**, Strauch, I., & Lehmann, D. (1981). Sleep deprivation: effect on sleep stages and EEG power density in man. *Electroencephalography and Clinical Neurophysiology*, 51, 483-493. [SCI=2.027]
2. **Brandeis, D.**, & Lehmann, D. (1986). Event-related potentials of the brain and cognitive processes: Approaches and applications. *Neuropsychologia*, 24, 151-168. [SCI=2.059]
3. **Brandeis, D.**, & Lehmann, D. (1989). Segments of ERP map series reveal landscape changes with visual attention and subjective contours. *Electroencephalography and Clinical Neurophysiology*, 73, 507-519. [SCI=2.027]
4. Callaway, E., Halliday, R., Naylor, H., & **Brandeis, D.**(1991). Clonidine and scopolamine: Differences and similarities in how they change human information processing. *Progress in Neuropsychopharmacology and Biological Psychiatry*, 15, 497-502. [SCI=0.887]
5. **Brandeis, D.**, Naylor, H., Halliday, R., Callaway, E., & Yano, L. (1992). Scopolamine effects on visual information processing, attention and event-related potential map latencies. *Psychophysiology*, 29, 315-336. [SCI=2.827]
6. Michel, C. M., Lehmann, D., Henggeler, B., & **Brandeis, D.** (1992). Localization of the sources of EEG delta, theta, alpha, and beta frequency bands using the FFT dipole approximation. *Electroencephalography and Clinical Neurophysiology*, 82, 38-44. [SCI=2.027]
7. **Brandeis, D.**, Vitacco, D., & Steinhausen, H.-C. (1994). Mapping brain-electric microstates in dyslexic children during reading. *Acta Paedopsychiatrica*, 56, 239-247.
8. Halliday, R., Naylor, H., **Brandeis, D.**, Callaway, E., Yano, L., & Herzig, K. (1994). The effect of D-amphetamine, clonidine and yohimbine on human information processing. *Psychophysiology*, 31, 331-337. [SCI=2.827]
9. **Brandeis, D.**, Lehmann, D., Michel, C. M., & Mingrone, W. (1995). Mapping event-related potential microstates to sentence endings. *Brain Topography*, 8, 145-159. [SCI=1.014]
10. Fallgatter, A. J., **Brandeis, D.**, & Strik, W. K. (1997). A robust assessment of the NoGo-anteriorization of P300 microstates in a cued continuous performance test. *Brain Topography*, 9, 295-302. [SCI=1.014]
11. Kondakor, I., **Brandeis, D.**, Wackermann, J., Kochi, K., Koenig, T., Frei, E., Pascual-Marqui, R. D., Yagy, T., & Lehmann, D. (1997). Multichannel EEG fields during and without visual input: frequency domain model source locations and dimensional complexity. *Neuroscience Letters*, 226, 49-52. [SCI=2.090]
12. Kondakor, I., Lehmann, D., Michel, C. M., **Brandeis, D.**, Kochi, K., & Koenig, T. (1997). Prestimulus EEG microstates influence visual event-related potential microstates in field maps with 47 channels. *Journal of Neural Transmission: General Section*, 226, 49-52. [SCI=1.183]
13. von Aster, M., Zachmann, M., **Brandeis, D.**, Wohlrab, G., Richner, M., & Steinhausen, H.-C. (1997). Psychiatric, neuropsychiatric and neuropsychological symptoms in a case of Hypomelanosis Ito. *European Child and Adolescent Psychiatry*, 6, 227-233. [SCI=na]
14. Yamadera, H., Masaaki, K., Tsukahara, Y., **Brandeis, D.**, & Okuma, T. (1997). Zopiclone versus Diazepam effects on EEG power maps in healthy volunteers. *Acta Neurobiologica Experimentalis*, 57, 151-155. [SCI=0.480]

15. **Brandeis, D.**, van Leeuwen, T. H., Rubia, K., Vitacco, D., Steger, J., Pascual-Marqui, R. D., & Steinhausen, H.-C. (1998). Neuroelectric mapping reveals precursors of failures to stop in children with attention deficits. *Behavioral Brain Research*, *94*, 111-126. [SCI 1998=2.796]
16. Rubia, K., Osterlaan, J., Sergeant, J., **Brandeis, D.**, & van Leeuwen, T. H. (1998). Inhibitory dysfunction in hyperactive boys. *Behavioral Brain Research*, *94*, 25-32. [SCI 1998=2.796]
17. Strik, W. K., Fallgatter, A. J., **Brandeis, D.**, & Pascual-Marqui, R. D. (1998). Three dimensional tomography of event-related potentials during response inhibition: evidence for phasic frontal lobe activation. *Electroencephalography and Clinical Neurophysiology*, *108*, 406-413. [SCI 1998=2.45]
18. van Leeuwen, T. H., Steinhausen, H.-C., Overtom, C.C. E., Pascual-Marqui, R. D., van't Klooster, B., Rothenberger, A., Sergeant, J. A., & **Brandeis, D.** (1998). The Continuous Performance Test revisited with neuroelectric brain mapping: impaired orienting in children with attention deficits. *Behavioral Brain Research*, *94*, 97-110. [SCI 1998=2.796]
19. Steger, J., Imhof, K., Steinhausen, H.-C., & **Brandeis, D.** (2000). Brain mapping of bilateral interactions in ADHD and control boys. *Clinical Neurophysiology*, *11*, 1141-1156. [SCI 2002=2.112]
20. Steger, J., Imhof, K., Coutts, E., Gundelfinger, R., Steinhausen, H.-C., & **Brandeis, D.** (2001). Attentional and neuromotor deficits in ADHD. *Developmental Medicine and Child Neurology*, *43*, 172-179. [SCI 2002=2.107]
21. Steger, J., Imhof, K., Denoth, J., Pascual-Marqui, R. D., Steinhausen, H.-C., & **Brandeis, D.** (2001). Brain mapping of bilateral visual interactions in children. *Psychophysiology*, *38*, 243-253. [SCI 2002=2.674]
22. **Brandeis, D.**, Banaschewski, T., Baving, L., Georgiewa, P., Blanz, B., Schmidt, M. H., Warnke, A., Steinhausen, H. C., & Scheuerpflug, P. (2002). Multicenter P300 brain mapping of impaired attention to cues in hyperkinetic children. *Journal of the American Academy Child and Adolescent Psychiatry*, *41*(8), 990-998. [SCI 2002=3.662]
23. Vitacco, D., **Brandeis, D.**, Pascual-Marqui, R. D., & Martin, E. (2002). Correspondence of event-related potential tomography and functional magnetic resonance imaging during language processing. *Human Brain Mapping*, *17*(1), 4-12. [SCI 2002=5.076]
24. Banaschewski, T., **Brandeis, D.**, Heinrich, H., Albrecht, B., Woerner, W., Brunner, E., Rothenberger A. (2003), Association of ADHD and conduct disorder - brain electrical evidence for the existence of a distinct subtype. *Journal of Child Psychology and Psychiatry*, *44*(3), 356-76. [SCI 2003=2.743]
25. Maurer, U., Brem, S., Bucher, K., & **Brandeis, D.** (2003). Altered tone and phoneme mismatch negativity in children at risk for dyslexia. *Neuroreport*, *14*(17), 2245-50. [SCI 2003=2.503]
26. Maurer, U., Bucher, K., Brem, S., & **Brandeis, D.** (2003). Development of the automatic mismatch response: from frontal positivity in kindergarten children to the mismatch negativity (MMN). *Clinical Neurophysiology*, *114*(5), 808-17. [SCI 2003=2.485]
27. Steinhausen, H.C., Imhof, K., Drechsler, R., Földényi, M., & **Brandeis, D.** (2003). The clinical course of attention deficit hyperactivity disorder from late childhood to adolescence. *Journal of the American Academy of Child and Adolescent Psychiatry*, *42*(9), 1085-92. [SCI 2003=3.779]
28. Banaschewski, T., **Brandeis, D.**, Heinrich, H., Albrecht, B., Brunner, E., & Rothenberger, A. (2004). Questioning inhibitory control as the specific deficit of ADHD - evidence from brain electrical activity. *Journal of Neural Transmission*, *111*(7) 841-64. [SCI 2004=2.628]

29. Gottselig, J. M., **Brandeis, D.**, Hofer-Tinguely, G., Borbély, A. A., & Achermann, P. (2004). Human central auditory plasticity associated with tone sequence learning. *Learning and Memory*, *11*(2), 162-71. [SCI 2004=4.694]
30. Albrecht, B., Banaschewski, T., **Brandeis, D.**, Heinrich, H., & Rothenberger, A. (2005). Response inhibition deficits in externalizing child psychiatric disorders: An ERP-study with the Stop-task. *Behavioral and Brain Functions*, *1*, 22. [SCI 2009=2.336]
31. Brem, S., Lang-Dullenkopf, A., Maurer, U., Halder, P., Bucher, K., **Brandeis, D.** (2005). Neurophysiological signs of rapidly emerging visual expertise for symbol strings. *Neuroreport*, *16*(1), 45-48. [SCI 2004=2.351]
32. Drechsler, R., **Brandeis, D.**, Földényi, M., Imhof, K., & Steinhausen, H. C. (2005). The course of neuropsychological functions in children with attention deficit hyperactivity disorder from late childhood to early adolescence. *Journal of Child Psychology and Psychiatry*, *46* (8), 824-36. [SCI 2004=2.782]
33. Gamma, A., **Brandeis, D.**, Brandeis, R., & Vollenweider, F. X. (2005). The P3 in "ecstasy" polydrug users during response inhibition and execution. *Journal of Psychopharmacology*, *19*(5), 504-512. [SCI 2004=2.336]
34. Halder, P., Sterr, A., Brem, S., Bucher, K., Kollias, S. S., & **Brandeis, D.** (2005). Electrophysiological evidence for cortical plasticity with movement repetition. *European Journal of Neuroscience*, *21*(8), 2271-2277. [SCI 2004=3.82]
35. Maurer, U., **Brandeis, D.**, & McCandliss, B. D. (2005). Fast, visual specialization for reading in English revealed by the topography of the N170 ERP response. *Behavioral and Brain Functions*, *1*, 13. [SCI 2009=2.336]
36. Maurer, U., Brem, S., Bucher, K., & **Brandeis, D.** (2005). Emerging neurophysiological specialization for letter strings. *Journal of Cognitive Neuroscience*, *17*(10), 1532-1552. [SCI 2004=5.275]
37. Müller, U. C., Sonuga-Barke, E. J., **Brandeis, D.**, & Steinhausen, H. C. (2006). Online measurement of motivational processes: Introducing the Continuous Delay Aversion Test (ConDAT). *Journal of Neuroscience Methods*, *151*(1), 45-51. [SCI 2006=2.243]
38. Brem, S., Bucher, K., Halder, P., Summers, P., Dietrich, T., Martin, E., & **Brandeis, D.** (2006). Evidence for developmental changes in the visual word processing network beyond adolescence. *Neuroimage*, *29*(3), 822-837. [SCI 2006=5.559]
39. Halder, P., Curt, A., Brem, S., Lang-Dullenkopf, A., Bucher, K., Kollias, S. S., & **Brandeis, D.** (2006). Preserved aspects of cortical foot control in paraplegia. *NeuroImage*, *31*, 692-698. [SCI 2006=5.559]
40. Bucher, K., Dietrich, T., Marcar, V. L., Brem, S., Halder, P., Boujraf, S., Summers, P., **Brandeis, D.**, Martin, E., & Loenneker, T. (2006). Maturation of luminance- and motion-defined form perception beyond adolescence: a combined ERP and fMRI study. *Neuroimage*, *31*, 1625-1636. [SCI 2006=5.559]
41. Mandelkow, H., Halder, P., Boesiger, P., & **Brandeis, D.** (2006). Synchronization facilitates removal of MRI artefacts from concurrent EEG recordings and increases usable bandwidth. *Neuroimage*, *32*, 1120-1126. [SCI 2006=5.559]
42. Maurer, U., Brem, S., Kranz, F., Bucher, K., Benz, R., Halder, P., Steinhausen, H. C., & **Brandeis, D.** (2006). Coarse neural tuning peaks when children learn to read. *Neuroimage*, *33*, 749-758. [SCI 2006=5.559]

43. Stein, M., Dierks, T., **Brandeis, D.**, Wirth, M., Strik, W., & Koenig, T. (2006). Plasticity in the adult language system: A longitudinal electrophysiological study on 2nd language learning. *Neuroimage*, 33, 774-783. [SCI 2006=5.559]
44. Halder, P., Brem, S., Bucher, K., Boujraf, S., Summers, P., Dietrich, T., Kollias, S. S., Martin, E., & **Brandeis, D.** (2007). Electrophysiological and hemodynamic evidence for late maturation of hand force control under visual feedback. *Human Brain Mapping*, 28, 69-84. [SCI 2007=6.151]
45. Mandelkow, H., Halder, P., **Brandeis, D.**, Soellinger, M., de Zanche, N., & Boesiger, P. (2007). Heart beats Brain: The problem of detecting alpha waves by neuronal current imaging in joint EEG-MRI experiments. *Neuroimage*, 37(1), 149-163 [SCI 2007=5.457]
46. Drechsler, R., Straub, M., Döhnert, M., Heinrich, H., Steinhausen, H. C., & **Brandeis, D.** (2007). Controlled evaluation of a neurofeedback training of slow cortical potentials in children with Attention Deficit /Hyperactivity Disorder (ADHD). *Behavioral and Brain Functions*, 3(1), 35. [SCI 2009=2.336]
47. Maurer, U., Brem, S., Bucher, K., Kranz, F., Benz, R., Steinhausen, H. C., & **Brandeis, D.** (2007). Impaired tuning of a fast occipito-temporal response for print in dyslexic children learning to read. *Brain*, 130(12), 3200-3210. [SCI 2007=8.568]
48. Albrecht, B., **Brandeis, D.**, Uebel, H., Heinrich, H., Müller, U. C., Hasselhorn, M., Steinhausen, H. C., Rothenberger, A., & Banaschewski, T. (2008). Action monitoring in boys with ADHD, their nonaffected siblings and normal controls: Evidence for an endophenotype. *Biological Psychiatry*, 64(7), 615-625. [SCI 2008=8.672]
49. Schulz, E., Maurer, U., van der Mark, S., Bucher, K., Brem, S., Martin, E., & **Brandeis, D.** (2008). Impaired semantic processing during sentence reading in children with dyslexia: combined fMRI and ERP evidence. *Neuroimage*, 41 (1) 153-168. [SCI 2008=5.694]
50. Doehnert, M.\*, **Brandeis, D.\***, Straub, M., Steinhausen, H. C., & Drechsler, R. (2008). Slow cortical potential neurofeedback in attention deficit hyperactivity disorder: is there neurophysiological evidence for specific effects? *Journal of Neural Transmission*, 115(10), 1445-1456. [\* equal contributions, SCI 2008=2.514]
51. Brem, S., Halder, P., Bucher, K., Summers, P., Martin, E., & **Brandeis, D.** (2009). Tuning of the visual word processing system - distinct developmental ERP and fMRI effects. *Human Brain Mapping*, 30(6), 1833-1844. [SCI 2009=6.256]
52. Maurer, U., Bucher, K., Brem, S., Benz, R., Kranz, F., Schulz, E., van der Mark, S., Steinhausen, H. C., & **Brandeis, D.** (2009). Neurophysiology in preschool improves behavioral prediction of reading ability throughout primary school. *Biological Psychiatry*, 66(4), 341-8. [SCI 2009=8.926]
53. Schulz, E., Maurer, U., van der Mark, S., Bucher, K., Brem, S., Martin, E., **Brandeis, D.** (2009). Reading for meaning in dyslexic and young children: EEG and fMRI evidence for distinct neural pathways but common endpoints. *Neuropsychologia*, 47(12), 2544-2557. [SCI 2009=4.345]
54. van der Mark, S., Bucher, K., Maurer, U., Schulz, E., Brem, S., Buckelmueller, J., Kronbichler, M., Loenneker, T., Klaver, P., Martin, E., **Brandeis, D.** (2009). Dyslexia in Children: Dysfunction of Specialization within the Visual Word-Form (VWF) System. *Neuroimage*, 47(4), 1940-9. [SCI 2009=5.739]
55. Stein, M., Federspiel, A., Koenig, T., Wirth, M., Lehmann, C., Wiest, R., Strik, W., **Brandeis, D.**, Dierks, T. (2009). Reduced frontal activation with increasing 2nd language proficiency. *Neuropsychologia*, 47(13), 2712-20. [SCI 2009=4.345]

56. McLoughlin, G., Albrecht, B., Banaschewski, T., Rothenberger, A., **Brandeis, D.**, Asherson, P., Kuntsi, J. (2009). Performance monitoring is altered in adult ADHD: a familial event-related potential investigation. *Neuropsychologia*, 47(14), 3134-42. [SCI 2009=4.345]
57. Valko, L., Doehnert, M., Müller, U. C., Schneider, G., Albrecht, B., Drechsler, R., Maechler, M., Steinhausen, H.-C., & **Brandeis, D.** (2009). Differences in neurophysiological markers of inhibitory and temporal processing deficits in children and adults with ADHD. *Journal of Psychophysiology*, 23(4), 211-223. [SCI 2009=2.488]
58. Albrecht, B., Heinrich, H., **Brandeis, D.**, Uebel, H., Yordanova, J., Kolev, V., Rothenberger, A., & Banaschewski, T. (2009). Flanker-Task in children: time-frequency analyses of response monitoring. *Journal of Psychophysiology*, 23(4), 183-190. [SCI 2009=2.488]
59. Albrecht, B., **Brandeis, D.**, Uebel, H., Heinrich, H., Heise, A., Hasselhorn, M., Rothenberger, A., Banaschewski, T. (2010). Action monitoring in children with or without a family history of ADHD - Effects of gender on an endophenotype parameter. *Neuropsychologia*, 48(4), 1171-1177. [SCI 2010=3.949]
60. Doehnert, M. \*, **Brandeis, D.\***, Imhof, K., Drechsler, R., & Steinhausen, H. C. (2010). Mapping attention-deficit/hyperactivity disorder (ADHD) from childhood to adolescence - no neurophysiological evidence for a developmental lag of attention but some for inhibition. *Biological Psychiatry*, 67(7), 608-616. [\* equal contributions, SCI 2010=8.674]
61. Mandelkow, H., **Brandeis, D.**, & Boesiger, P. (2010). Good practices in EEG-MRI: The utility of retrospective synchronization and PCA for the removal of MRI gradient artefacts. *Neuroimage*, 49(3), 2287-2303. [SCI 2010=5.932]
62. Brem, S., Bach, S., Kucian, K., Kujala, J., Guttorm, T., Martin, E., Lyytinen, H., **Brandeis, D.\***, & Richardson, U.\* (2010). Brain sensitivity to print emerges when children learn letter speech sound correspondences. *Proceedings of the National Academy of Sciences of the United States of America*, 107(17), 7939-7944. [\* equal senior contributions, SCI 2010=9.771]
63. Michels, L., Bucher, K., Lüchinger, R., Klaver, P., Martin, E., Jeanmonod, D., & **Brandeis, D.** (2010). Simultaneous EEG-fMRI during a working memory task: Modulations in low and high frequency bands. *PLOS One*, 5(4), e10298. [SCI 2010=4.441]
64. Bach, S., **Brandeis, D.**, Hofstetter, C., Martin, E., Richardson, U., & Brem, S. (2010). Early emergence of deviant frontal fMRI activity in poor beginning readers. *Neuroimage*, 53(2), 682-693. [SCI 2010=5.932]
65. Valko, L., Schneider, G., Doehnert, M., Müller, U. C., **Brandeis, D.**, Steinhausen, H.-C., & Drechsler, R. (2010). Time processing in children and adults with ADHD. *Journal of Neural Transmission*, 117(10), 1213-1212. [SCI 2010=2.597]
66. McLoughlin, G., Albrecht, B., Banaschewski, T., Rothenberger, A., **Brandeis, D.**, Asherson, P., & Kuntsi, J. (2010). Electrophysiological evidence for abnormal preparatory states and inhibitory processing in adult ADHD. *Behavioral and Brain Functions*, 6, 66. [SCI 2010=2.305]
67. van der Mark, S., Klaver, P., Bucher, K., Maurer, U., Schulz, E., Brem, S., Martin, E., & **Brandeis, D.** (2011). The left occipitotemporal system in reading: focal functional connectivity to the language system in controls but not in dyslexic children. *Neuroimage*, 54(3), 2426-36. [SCI 2011=5.895]
68. Maurer, U., Schulz, E., Brem, S., van der Mark, S., Bucher, K., Martin, E., & **Brandeis, D.** (2011). The development of print tuning in children with dyslexia: evidence from longitudinal ERP data supported by fMRI. *Neuroimage*, 57(3), 714-22. [SCI 2011=5.895]
69. Michels, L., Bucher, K., Brem, S., Halder, P., Lüchinger, R., Liechti, M., Martin, E., Jeanmonod, D., & **Brandeis, D.** (2011). Does greater low frequency EEG activity in normal

- immaturity and in children with epilepsy arise in the same neuronal network ? *Brain Topography*, 24(1), 78-89. [SCI 2011=3.455]
70. Lüchinger, R., Michels, L., Martin, E., & **Brandeis, D.** (2011). EEG-BOLD correlations during (post-)adolescent brain maturation. *Neuroimage*, 56(3), 1493-1505. [SCI 2011=5.895]
71. McLoughlin, G., Asherson, P., Albrecht, B., Banaschewski, T., Rothenberger, A., **Brandeis, D.**, & Kuntsi, J. (2011). Cognitive-electrophysiological indices of attentional and inhibitory processing in adults with ADHD: familial effects. *Behavioral and Brain Functions*, 7, 26. [SCI 2011=2.127]
72. Padovani, T., Koenig, T., **Brandeis, D.**, & Perrig, W. (2011). Different brain activities predict retrieval success during emotional and semantic encoding. *Journal of Cognitive Neuroscience*, 23(12), 4008-4021. [SCI 2011=5.175]
73. Lüchinger, R., Michels, L., Martin, E., & **Brandeis, D.** (2012). Brain state regulation during normal development: intrinsic activity fluctuations in simultaneous EEG-fMRI. *Neuroimage*, 60(2), 1426-1439. [SCI 2012=6.252]
74. Stein, M., Federspiel, A., Koenig, T., Wirth, M., Strik, W., Wiest, R., **Brandeis, D.**, & Dierks, T. (2012). Structural plasticity in the language system related to increased second language proficiency. *Cortex*, 48(4), 458-65. [SCI 2012=6.161]
75. Michels, L., Martin, E., Klaver, P., Edden, R., Zelaya, F., Lythgoe, D.J., Lüchinger, R., **Brandeis, D.**, & O’Gorman, R.L. (2012). Frontal GABA levels change during working memory. *PLoS ONE*, 7(4), e31933. [SCI 2012=3.73]
76. Bach, S., Richardson, U., **Brandeis, D.**, Martin, E., & Brem, S. (2013). Print-specific multimodal brain activation in kindergarten improves prediction of reading skills in second grade. *Neuroimage*, 82, 605-615. [accepted July 10, 2011, SCI 2012=6.252]
77. Steinhausen, H.-C., Züllli-Weilenmann, N., **Brandeis, D.**, Müller, U. C., Valko, L., & Drechsler, R. (2012). The behavioural profile of children with attention-deficit / hyperactivity disorder and their siblings. *European Child & Adolescent Psychiatry*, 21(3):157-164. [SCI 2012=3.699]
78. Liechti, M., Maurizio, S., Heinrich, H., Jäncke, L., Meier, L., Steinhausen, H. C., Walitza, S., Drechsler, R., & **Brandeis, D.** (2012). First Clinical Trial of Tomographic Neurofeedback in Attention-Deficit/Hyperactivity Disorder: Evaluation of Voluntary Cortical Control. *Clinical Neurophysiology*, 123(10),1989-2005. [SCI 2012=3.144]
79. Bender, S., Rellum, T., Freitag, C. M., Resch, F., Rietschel, M., Treutlein, J., Jennen-Steinmetz, C., **Brandeis, D.**, Banaschewski, T., & Laucht, M. (2012). Dopamine Inactivation Efficacy related to Functional DAT1 and COMT Variants influences Motor Response Evaluation. *PLoS ONE*, 7 (5),e37814. [SCI 2012=3.73]
80. Michels, L., Lüchinger, R., Koenig, T., Martin, E., & **Brandeis, D.** (2012). Developmental changes of BOLD signal correlations with global human EEG power and synchronization during working memory. *PLoS ONE*, 7(7),e39447. [SCI 2012=3.73]
81. Bender, S., Rellum, T., Freitag, C. M., Resch, F., Rietschel, M., Treutlein, J., Jennen-Steinmetz, C., **Brandeis, D.**, Banaschewski, T., & Laucht, M. (2012). Time-resolved influences of functional DAT1 and COMT variants on visual perception and post-processing. *PLoS ONE*, 7(7),e41552. [SCI 2012=3.73]
82. Banaschewski, T., Jennen-Steinmetz, C., **Brandeis, D.**, Buitelaar, J. K., Kuntsi, J., Poustka, L., Sergeant, J. A., Sonuga-Barke, E. J., Frazier-Wood, A. C., Albrecht, B., Chen, W., Uebel, H., Schlotz, W., Meere, J. J. v. d., Gill, M., Manor, I., Miranda, A., Mulas, F., Oades, R. D., Roeyers, H., Rothenberger, A., Steinhausen, H.-C., Faraone, S. V., & Asherson, P. (2012). Neuropsychological correlates of emotional lability in children with ADHD. *Journal of Child Psychology and Psychiatry*, 53(11),1139-48 [SCI 2012=5.422]



83. Becker, J., Czamara, D., Hoffmann, P., Landerl, K., Blomert, L., **Brandeis, D.**, Maurer, U., Ludwig, K. U., Müller-Myhsok, B., Nöthen, M. M., Schulte-Körne, G., & Schumacher, J. (2012). Evidence for an involvement of ZNF804A in cognitive processes relevant for reading and spelling. *Translational Psychiatry*, 2, e136. [SCI 2013=4.36]
84. Landerl, K., Ramus, F., Moll, K., Lyytinen, H., Leppänen, P. H. T., Lohvansuu, K., O'Donovan, M., Hill, G., Williams, J., Bartling, J., Bruder, J., Kunze, S., Neuhoff, N., Streiftau, S., Tóth, D., Honbolygó, F., Csépe, V., Bogliotti, C., Iannuzzi, S., Chaix, Y., Jean-François Démonet, Longeras, E., Valdois, S., Chabernaud, C., Delteil-Pinton, F., Billard, C., George, F., Ziegler, J., Comte-Gervais, I., Soares-Boucaud, I., Gérard, C.-L., Blomert, L., Vaessen, A., Gerretsen, P., Ekkebus, M., **Brandeis, D.**, Maurer, U., Schulz, E., Mark, S. v. d., Müller-Myhsok, B., & Schulte-Körne, G. (2012). Predictors of developmental dyslexia in European orthographies with varying complexity. *Journal of Child Psychology and Psychiatry*, 54(6), 686-694. [SCI 2012=5.422]
85. Albrecht, B\*, **Brandeis, D\***, Uebel, H., Valko, L., Heinrich, H., Drechsler, R., Heise, A., Müller, U. C., Steinhausen, H.-C., Rothenberger, A., & Banaschewski, T. (2013). Familiarity of Neural Preparation and Response Control in Childhood Attention Deficit Hyperactivity Disorder. *Psychological Medicine*, 43(9), 1997-2011. [\*equal contributions, SCI 2013=5.428]
86. Brem, S., Bach, S., Kujala, J., Maurer, U., Lyytinen, H., Richardson, U.\*, & **Brandeis, D.\*** (2013). An electrophysiological study of print processing in kindergarten: the contribution of the visual N1 as a predictor of reading outcome. *Developmental Neuropsychology*, 38(8), 567-594. [\*equal senior contributions, SCI 2013=2.67]
87. Doehnert, M.\* , **Brandeis, D.\***, Schneider, G., Drechsler, R., & Steinhausen, H. C. (2013). A neurophysiological marker of impaired preparation in an 11-year follow-up study of Attention-Deficit/Hyperactivity Disorder (ADHD). *Journal of Child Psychology and Psychiatry*, 54(3), 260-270. [\* equal contributions, SCI 2013=5.669]
88. Kronschnabel, J., Schmid, R., Maurer, U., & **Brandeis, D.** (2013). Visual print tuning deficits in dyslexic adolescents under minimized phonological demands. *NeuroImage*, 74, 58-69. [SCI 2013=6.132]
89. Liechti, M., Valko, L., Müller, U. C., Doehnert, M., Drechsler, R., Steinhausen, H.-C., & **Brandeis, D.** (2013). Diagnostic Value of Resting Electroencephalogram in Attention Deficit/Hyperactivity Disorder across Lifespan. *Brain Topography*, 26(1), 135-51. [SCI 2013=2.519]
90. Maurizio, S., Liechti, M., **Brandeis, D.**, Jäncke, L., & Drechsler, R. (2013). Differential EMG biofeedback for children with ADHD: a control method for neurofeedback training with a case illustration. *Applied Psychophysiology and Biofeedback*, 38(2), 109-101. [SCI 2013=1.593]
91. Michels, L., Muthuraman, M., Lüchinger, R., Martin, E., Anwar, A. R., Raethjen, J., **Brandeis, D.\***, & Siniatchkin, M.\* (2013). Developmental changes of functional and directed resting-state connectivity associated with neuronal oscillations in EEG. *NeuroImage*, 81C, 231-224. [\*equal senior contributions, SCI 2013=6.132]
92. O'Gorman, R. L., Poil, S.-S., **Brandeis, D.**, Klaver, P., Bollmann, S., Ghisleni, C., Lüchinger, R., Martin, E., Shankaranarayanan, A., Alsop, D. C., & Michels, L. (2013). Coupling between resting cerebral perfusion and EEG. *Brain Topography*, 26(3), 442-457 [SCI 2013=2.519]
93. Plichta, M. M., Wolf, I., Hohmann, S., Baumeister, S., Boecker, R., Schwarz, A., Zangl, M., Mier, D., Diener, C., Meyer, P., Holz, N., Ruf, M., Gerchen, M., Bernal-Casas, D., Kolev, V., Yordanova, J., Flor, H., Laucht, M., Banaschewski, T., Kirsch, P., Meyer-Lindenberg, A., & **Brandeis, D.** (2013). Simultaneous EEG and fMRI reveals a causally connected subcortical-cortical network during reward anticipation. *Journal of Neuroscience*, 33(36), 14526-14533.

[SCI 2013=6.747]

94. Ringli, M., Souissi, S., Kurth, S., **Brandeis, D.**, Jenni, O., & Huber, R. (2013). Topography of sleep slow wave activity in children with attention-deficit/ hyperactivity disorder. *Cortex*, *49*(1), 340–347. [SCI 2013=6.042]
95. Sonuga-Barke, E. J. S., **Brandeis, D.**, Cortese, S., Daley, D., Ferrin, M., Holtmann, M., Stevenson, J., Danckaerts, M., Oord, S. v. d., Döpfner, M., Dittmann, R. W., Simonoff, E., Zuddas, A., Banaschewski, T., Buitelaar, J., Coghill, D., Hollis, C., Konofal, E., Lecendreux, M., Wong, I. C., Sergeant, J., & European ADHD Guidelines Group. (2013). Nonpharmacological interventions for ADHD: Systematic review and meta-analyses of randomized controlled trials of dietary and psychological treatments. *American Journal of Psychiatry*, *170*(3), 275-89. [SCI 2013=13.559]
96. Steinhausen, H. C., Göllner, J., **Brandeis, D.**, Müller, U. C., Valko, L., & Drechsler, R. (2013). Psychopathology and personality in parents of children with ADHD. *Journal of Attention Disorders*, *17*(1),38-46. [SCI 2013=2.397]
97. Hauser, T. U., Iannaccone, R., Stämpfli, P., Drechsler, R., **Brandeis, D.**, Walitza, S., & Brem, S. (2014). The Feedback-Related Negativity (FRN) revisited: New insights into the localization, meaning and network organization. *NeuroImage*, *84*,159-68. [SCI 2014=6.357]
98. Moll, K., Ramus, F., Bartling, J., Bruder, J., Kunze, S., Neuhoff, N., Streiftau, S., Lyytinen, H., Leppänen, P., Lohvansuu, K., Tóth, D., Honbolygó, F., Csépe, V., Bogliotti, C., Iannuzzi, S., Démonet, J.-F., Longeras, E., Valdois, S., George, F., Soares-Boucaud, I., Heuzey, M.-F. L., Billard, C., O'Donovan, M., Hill, G., Williams, J., **Brandeis, D.**, Maurer, U., Schulz, E., Mark, S. v. d., Müller-Myhsok, B., Schulte-Körne, G., & Landerl, K. (2014). Cognitive mechanisms underlying reading and spelling development in six European orthographies. *Learning and Instruction*, *29*, 65-77. [SCI 2014=3.585]
99. Becker, J., Czamara, D., Scerri, T. S., Ramus, F., Csépe, V., Talcott, J. B., Stein, J., Morris, A., Ludwig, K. U., Hoffmann, P., Lyytinen, H., Zucchelli, M., **Brandeis, D.**, Maurer, U., Schulz, E., Mark, S. v. d., Blomert, L., Leppänen, P. H. T., Monaco, A. P., Müller-Myhsok, B., Kere, J., Landerl, K., Nöthen, M. M., Schulte-Körne, G., Paracchini, S., Peyrard-Janvid, M., & Schumacher, J. (2013). Genetic analysis of dyslexia candidate genes in the European cross-linguistic NeuroDys cohort. *European Journal of Human Genetics*, *22*(5), 675-678. [SCI 2014= 4.349]
100. Zohsel, K., Buchmann, A. F., Blomeyer, D., Hohm, E., Schmidt, M. H., Esser, G., **Brandeis, D.**, Banaschewski, T., & Laucht, M. (2014). Mothers' prenatal stress and their children's antisocial outcomes – a moderating role for the Dopamine D4 Receptor (DRD4) gene. *Journal of Child Psychology and Psychiatry*, *55*(1), 69-76. [SCI 2014= 6.459]
101. Maurizio, S., Liechti, M., Heinrich, H., Jäncke, L., Steinhausen, H. C., Walitza, S., **Brandeis, D.\***, & Drechsler, R\*. (2014). Comparing tomographic EEG neurofeedback and EMG biofeedback in children with attention-deficit/hyperactivity disorder. *Biological Psychology*, *95*,31-44. [\*equal senior contributions, SCI 2014= 3.403]
102. Buchmann, A. F., Holz, N., Boecker, R., Blomeyer, D., Rietschel, M., Witt, S., Schmidt, M. H., Banaschewski, T., **Brandeis, D.**, Zimmermann, U. S., & Laucht, M. (2014). Moderating role of FKBP5 genotype in the impact of childhood adversity on cortisol stress response during adulthood. *European Neuropsychopharmacology*, *24*(6),837-4. [SCI 2014= 4.369]
103. Poil, S. S., Bollmann, S., Ghisleni, C., O'Gorman, R., Klaver, P., Ball, J., Eich-Höchli, D., **Brandeis, D.\***, & Michels, L.\* (2014). Age dependent electroencephalographic changes in attention-deficit/hyperactivity disorder (ADHD). *Clinical Neurophysiology*, *125*, 1626–1638. [\*equal senior contributions, SCI 2014= 3.097]
104. Albrecht, B.\*, **Brandeis, D.\***, Uebel, H., Valko, L., Heinrich, H., Drechsler, R., Heise, A.,

- Müller, U. C., Steinhausen, H.-C., Rothenberger, A., & Banaschewski, T. (2014). Genetics of preparation and response control in ADHD: The Role of DRD4 and DAT1. *Journal of Child Psychology and Psychiatry*, *55*(8), 914-23. [\*equal contributions, SCI 2014= 6.459]
105. Baumeister, S., Hohmann, S., Wolf, I., Plichta, M. M., Rechtsteiner, S., Zangl, M., Ruf, M., Holz, N., Boecker, R., Meyer-Lindenberg, A., Holtmann, M., Laucht, M., Banaschewski, T., & **Brandeis, D.** (2014). Sequential inhibitory control processes assessed through simultaneous EEG-fMRI. *NeuroImage*, *94*, 349-359. [SCI 2013=6.132]
106. Cooper, R., Skirrow, C., Tye, C., McLoughlin, G., Rijdsdijk, F., Banaschewski, T., **Brandeis, D.**, Kuntsi, J., & Asherson, P. (2014). The effect of methylphenidate on very low frequency electroencephalography oscillations in adult ADHD. *Brain and Cognition*, *86*, 82-89. [SCI 2014=2.477]
107. Holz, N., Boecker, R., Baumeister, S., Hohm, E., Zohsel, K., Buchmann, A. F., Blomeyer, D., Jennen-Steinmetz, C., Hohmann, S., Wolf, I., Plichta, M. M., Meyer-Lindenberg, A., Banaschewski, T., **Brandeis, D.\***, & Laucht, M.\* (2014). Effect of prenatal exposure to tobacco smoke on inhibitory control: Neuroimaging results from a 25-year prospective study. *JAMA Psychiatry*, *71*(7), 786-96. [\*equal senior contributions, SCI 2014=12.008]
108. Buchmann, A. F., Zohsel, K., Blomeyer, D., Hohm, E., Hohmann, S., Jennen-Steinmetz, C., Treutlein, J., Becker, K., Banaschewski, T., Schmidt, M. H., Esser, G., **Brandeis, D.**, Poustka, L., Zimmermann, U. S., & Laucht, M. (2014). Interaction between prenatal stress and dopamine D4 receptor genotype in predicting aggression and cortisol levels in young adults. *Psychopharmacology (Berl)*, *231*(16), 3089-3097. [SCI 2014=3.875]
109. Buchmann, A. F., Hohm, E., Witt, S., Blomeyer, D., Schmidt, M. H., Esser, G., Banaschewski, T., **Brandeis, D.**, & Laucht, M. (2014). Role of CNR1 polymorphisms in moderating the effects of psychosocial adversity on impulsivity in adolescents. *Journal of Neural Transmission*, in press, accepted June 24, 2014. [SCI 2014= 2.402]
110. Boecker, R., Holz, N., Buchmann, A. F., Blomeyer, D., Plichta, M. M., Wolf, I., Baumeister, S., Meyer-Lindenberg, A., Banaschewski, T., **Brandeis, D.\***, & Laucht, M.\* (2014). Impact of early life adversity on reward processing in young adults: EEG-fMRI results from a prospective study. *PLoS ONE*, *9*(8), e104185. [\*equal senior contributions, SCI 2014= 3.234]
111. Kronschnabel, J., Brem, S., Maurer, U.\*, & **Brandeis, D.\*** (2014). The level of audiovisual print-speech integration deficits in dyslexia. *Neuropsychologia*, *62C*, 245–261. [\*equal senior contributions, SCI 2014= 3.302]
112. Hauser, T. U., Iannaccone, R., Ball, J., Mathys, C., **Brandeis, D.**, Walitza, S., & Brem, S. (2014). Medial prefrontal cortex mediates impaired decision making processes in juvenile attention deficit/hyperactivity disorder (ADHD). *JAMA Psychiatry*, *71*(10):1165-73. [SCI 2014=12.008]
113. Kitsune, G., Celeste H Cheung, **Brandeis, D.**, Banaschewski, T., Asherson, P., McLoughlin, G., & Kuntsi, J. (2015). A matter of time: the influence of recording context on EEG spectral power in adolescents and young adults with ADHD. *Brain Topography*, *28*(4), 580-590 [SCI 2014=3.468].
114. Nikitopoulos, J., Zohsel, K., Blomeyer, D., Buchmann, A. F., Jennen-Steinmetz, B. S. C., Becker, K., Schmidt, M. H., Esser, G., **Brandeis, D.**, Banaschewski, T., & Laucht, M. (2014). Are infants differentially sensitive to parenting? Early maternal care, DRD4 genotype and externalizing behavior during adolescence. *Journal of Psychiatric Research*, *59*:53-9. [SCI 2014= 3.957]
115. Bender, S., Banaschewski, T., Roessner, V., Klein, C., Rietschel, M., Feige, B., **Brandeis, D.**, & Laucht, M. (2015). Variability of single trial brain activation predicts fluctuations in reaction time and interacts with dopamine transporter genotype. *Biological Psychology*, *106*, 50-60..

[SCI

2014=3.403]

116. Hauser, T. U., Iannaccone, R., Walitza, S., **Brandeis, D.\***, & Brem, S\*. (2015). Cognitive flexibility in adolescence: Neural and behavioral mechanisms of reward prediction error processing in adaptive decision making during development. *NeuroImage*, *104*, 347-54. [\*equal senior contributions, SCI 2014= 6.357]
117. Hohmann, S., Hohm, E., Treutlein, J., Blomeyer, D., Jennen-Steinmetz, C., Schmidt, M. H., Esser, G., Rietschel, M., Banaschewski, T., **Brandeis, D.**, & Laucht, M. (2015). Association of norepinephrine transporter (NET, SLC6A2) genotype with ADHD-related phenotypes: Findings of a longitudinal study from birth to adolescence. *Psychiatry Research*, *226*(2-3), 425-433. [SCI 2014= 2.467]
118. Holz, N., Buchmann, A. F., Boecker, R., Blomeyer, D., Baumeister, S., Wolf, I., Rietschel, M., Witt, S. H., Plichta, M. M., Meyer-Lindenberg, A., Banaschewski, T., **Brandeis, D.**, & Laucht, M. (2015). Role of FKBP5 in emotion processing: Results on amygdala activity and connectivity. *Brain Structure and Function*, *220*(3), 1355-1368. [SCI 2014=5.618]
119. Holz, N. E., Boecker, R., Hohm, E., Zohsel, K., Buchmann, A. F., Blomeyer, D., Jennen-Steinmetz, C., Baumeister, S., Hohmann, S., Wolf, I., Plichta, M. M., Esser, G., Schmidt, M., Meyer-Lindenberg, A., Banaschewski, T., **Brandeis, D.\***, & Laucht, M.\* (2015). The Long-Term Impact of Early Life Poverty on Orbitofrontal Cortex Volume in Adulthood: Results from a Prospective Study Over 25 Years. [Original Article]. *Neuropsychopharmacology*, *40*(4), 996-1004. doi: 10.1038/npp.2014.277. [\*equal senior contributions, SCI 2014= 7.048]
120. Iannaccone, R., Hauser, T. U., Stämpfli, P., Drechsler, R., Walitza, S., **Brandeis, D.\***, & Brem, S.\* (2015). Conflict Monitoring and Error Processing: New Insights from Simultaneous EEG-fMRI. *NeuroImage*, *105*, 395-407. [\*equal senior contributions, SCI 2014= 6.357]
121. Jost, L. B., Eberhard-Moscicka, A. K., Pleisch, G., Heusser, V., **Brandeis, D.**, Zevin, J. D., & Maurer, U. (2015). Native and non-native speech sound processing: effects of foreign language learning on the neural mismatch response. *Neuropsychologia*, *72*, 94-104. [SCI 2014=3.302]
122. Kottlow, M., Schläpfer, A., Bänninger, A., Michel, L., **Brandeis, D.**, & Koenig, T. (2015). Influence of pre-stimulus DMN activity on EEG theta power during working memory maintenance. *Frontiers in Behavioral Neuroscience*, *9*, 111. [SCI 2014=3.27]
123. Marx, A.-M., Ehlis, A.-C., Furdea, A., Holtmann, M., Banaschewski, T., **Brandeis, D.**, Rothenberger, A., Gevensleben, H., Freitag, C., Fuchsberger, Y., Fallgatter, A., & Strehl, U. (2015). Near-infrared spectroscopy (NIRS) neurofeedback as a treatment for children with attention deficit hyperactivity disorder (ADHD)-a pilot study. *Frontiers in Human Neuroscience*, *8*, 1038. [SCI 2014=2.986]
124. Maurer, U., Brem, S., Liechti, M., Maurizio, S., Lüchinger, R., Bucher, K., Michels, L., & **Brandeis, D.** (2015). Frontal midline theta reflects individual task performance in a working memory task. *Brain Topography*, *28*(1), 127-134. [SCI 2014=3.468]
125. Skirrow, C., McLoughlin, G., Banaschewski, T., **Brandeis, D.**, Kuntsi, J., & Asherson, P. (2015). Normalisation of frontal theta activity following methylphenidate treatment in adult attention-deficit/hyperactivity disorder. *European Neuropsychopharmacology*, *25*(1), 85-94. [SCI 2014=4.369]
126. Zuberer, A., **Brandeis, D.**, & Drechsler, R. (2015). Are treatment effects of neurofeedback training in children with ADHD related to the successful regulation of brain activity? A review on the learning of regulation of brain activity and a contribution to the discussion on specificity. [Review]. *Frontiers in Human Neuroscience*, *9*, 135. [SCI 2014=2.986]
127. Holz, N., Boecker, R., Buchmann, A. F., Blomeyer, D., Baumeister, S., Hohmann, S., Jennen-

- Steinmetz, C., Wolf, I., Rietschel, M., Witt, S. H., Plichta, M. M., Meyer-Lindenberg, A., Schmidt, M. H., Esser, G., Banaschewski, T., **Brandeis, D\***, & Laucht, M.\* (2014). Evidence for a Sex-Dependent MAOA $\times$  Childhood Stress Interaction in the Neural Circuitry of Aggression. *Cerebral Cortex*, in press, accepted October 19, 2014. doi: 10.1093/cercor/bhu249. [\*equal senior contributions, SCI 2013=8.305]
128. Cheung, C. H. M., Rijdsdijk, F., McLoughlin, G., **Brandeis, D.**, Banaschewski, T., Asherson, P., & Kuntsi, J. (2014). Cognitive and neurophysiological markers of ADHD persistence and remission. *British Journal of Psychiatry*, in press, accepted December 22, 2014. [SCI 2014=7.991]
129. Cortese, S., Ferrin, M., **Brandeis, D.**, Buitelaar, J., Daley, D., Dittmann, R. W., Holtmann, M., Santosh, P., Stevenson, J., Stringaris, A., Zuddas, A., Sonuga-Barke, E. J. S., & on behalf of the European ADHD Guidelines Group. (2015). Cognitive Training for Attention-Deficit/Hyperactivity Disorder: Meta-Analysis of Clinical and Neuropsychological Outcomes from Randomized Controlled Trials. *Journal of the American Academy of Child & Adolescent Psychiatry*, 54(3):164-74. [SCI 2014=7.26]
130. Iannaccone, R., Hauser, T. U., Ball, J., **Brandeis, D.**, Walitza, S., & Brem, S. (2015). Classifying adolescent attention deficit hyperactivity disorder (ADHD) based on functional and structural imaging. *European Child & Adolescent Psychiatry*, 24(10), 1279-89. [SCI 2014=3.336]
131. Adamo, N., Baumeister, S., Hohmann, S., Wolf, I., Holz, N., Boecker, R., Laucht, M., Banaschewski, T., & **Brandeis, D.** (2015). Frequency-specific coupling between trial-to-trial fluctuations of neural responses and response-time variability. *Journal of Neural Transmission*, in press, accepted February 13, 2015. [SCI 2014= 2.402]
132. Ghisleni, C., Bollmann, S., Poil, S. S., Martin, E., **Brandeis, D.**, Michels, L., O'Gorman, R. L., & Klaver, P. (2015). Subcortical glutamate mediates the reduction of short-range functional connectivity with age in a developmental cohort. *Journal of Neuroscience*, 35(22), 8433-41. [SCI 2013=6.747]
133. Heinrich, A., Buchmann, A. F., Duka, H., Frank, J., Zohsel, K., Treutlein, J., Nieratschker, V., Witt, S. H., **Brandeis, D.**, Schmidt, M. H., Esser, G., Banaschewski, T., Laucht, M., & Rietschel, M. (2015). Alterations of glucocorticoid receptor methylation in externalizing disorders during childhood and adolescence. *Behavior Genetics*, 45(5):529-36. [SCI 2014=3.21]
134. Bollmann, S., Ghisleni, C., Poil, S. S., Martin, E., Ball, J., Eich-Höchli, D., Edden, R., Klaver, P., Michels, L., **Brandeis, D.**, & O'Gorman, R. L. (2015). Developmental changes in gamma-Aminobutyric acid levels in attention-deficit/hyperactivity disorder (ADHD). *Translational Psychiatry*, 5, e589. [SCI 2014=5.62]
135. Hauser, T. U., Hunt, L., Iannaccone, R., Walitza, S., **Brandeis, D.**, Brem, S., & Dolan, R. J. (2015). Temporally dissociable contributions of human medial prefrontal subregions to reward-guided learning. *Journal of Neuroscience*, 35(32), 11209-20. [SCI 2014=6.344]
136. Grunewald, M., Stadelmann, S., **Brandeis, D.**, Jaeger, S., Matuschek, T., Weis, S., Kalex, V., Hiemisch, A., Klitzing, K. v., & Doehnert, M. (2015). Early processing of emotional faces in a Go/NoGo task - lack of N170 right hemispheric specialisation in children with major depression. *Journal of Neural Transmission*, 122(9), 1339-52. [SCI 2014= 2.402]
137. Poustka, L., Zohsel, K., Blomeyer, D., Jennen-Steinmetz, C., Schmid, B., Trautmann-Villalba, P., Hohmann, S., Becker, K., Esser, G., Schmidt, M. H., **Brandeis, D.**, Banaschewski, T., & Laucht, M. (2015). Interacting effects of maternal responsiveness, infant regulatory problems and dopamine D4 receptor gene in the development of dysregulation during childhood: A longitudinal analysis. *Journal of Psychiatric Research*, 70, 83-90. [SCI 2014= 3.957]

138. Richter, J., Henze, R., Vomstein, K., Sieltjes, B., Parzer, P., Haffner, J., **Brandeis, D.**, & Poustka, L. (2015). Cortical thickness and social reactivity in children with autism spectrum disorder. *Psychiatry Research: Neuroimaging*, 234(1), 15-24 [SCI 2014= 2.424]
139. Ghisleni, C., Bollmann, S., Lauber-Biason, A., Poil, S.-S., Brandeis, D., Martin, E., Michels, L., Hersberger, M., Suckling, J., Klaver, P., & O'Gorman, R. L. (2015). Effects of Steroid Hormones on Sex Differences in Cerebral Perfusion. *PLoS ONE*, 10(9), e0135827. [SCI 2014= 3.234]
140. Poustka, L., Zohsel, K., Blomeyer, D., Jennen-Steinmetz, C., Schmid, B., Trautmann-Villalba, P., Hohmann, S., Becker, K., Esser, G., Schmidt, M. H., **Brandeis, D.**, Banaschewski, T., & Laucht, M. (2015). Interacting effects of maternal responsiveness, infant regulatory problems and dopamine D4 receptor gene in the development of dysregulation during childhood: A longitudinal analysis. *Journal of Psychiatric Research*, 70, 83-90. [SCI 2014= 3.957]
141. Zohsel, K., Bianchi, V., Mascheretti, S., Hohm, E., Schmidt, M. H., Esser, G., **Brandeis, D.**, Banaschewski, T., Nobile, M., & Laucht, M. (2015). Monoamine oxidase A polymorphism moderates stability of attention problems and susceptibility to life stress during adolescence. *Genes, Brain and Behavior*, 14(8), 565-572 [SCI 2014= 3.661]
142. Bollmann, S., Ghisleni, C., Poil, S. S., Martin, E., Ball, J., Eich-Höchli, D., Klaver, P., O'Gorman, R. L., Michels, L., & **Brandeis, D.** (2015). Persistent and changing neural alterations of spatial working memory across development in Attention-Deficit/Hyperactivity Disorder (ADHD). *World Journal of Biological Psychiatry*, in press, accepted Oct 10, 2015. [SCI 2014= 4.183]
143. Diaz Hernandez, L., Heri, K., Baenninger, A., **Brandeis, D.**, & Koenig, T. (2016). Towards using microstate-neurofeedback for the treatment of psychotic symptoms in schizophrenia. A feasibility study in healthy participants. *Brain Topography*, 29(2):308-21.[SCI 2014=3.468]
144. Holz, N. E., Boecker, R., Hohm, E., Zohsel, K., Buchmann, A. F., Blomeyer, D., Jennen-Steinmetz, C., Baumeister, S., Hohmann, S., Wolf, I., Plichta, M. M., Esser, G., Schmidt, M., Meyer-Lindenberg, A., Banaschewski, T\*, **Brandeis, D\***, & Laucht, M\*. (2016). Positive coping styles and ACC volume - two related mechanisms for conferring resilience?. *Social Cognitive and Affective Neuroscience*, 11(5):813-20. [\*equal senior contributions, SCI 2015 SCI 2015=5.101]
145. Boecker-Schlier, R., Holz, N. E., Buchmann, A. F., Blomeyer, D., Plichta, M. M., Jennen-Steinmetz, C., Wolf, I., Baumeister, S., Treutlein, J., Rietschel, M., Meyer-Lindenberg, A., Banaschewski, T., **Brandeis, D\***, & Laucht, M.\* (2016). Interaction between COMT Val158Met polymorphism and childhood adversity affects reward processing in adulthood. *NeuroImage*, 132, 556–570. [\*equal senior contributions, SCI 2014= 6.357]
146. Cortese, S., Ferrin, M., **Brandeis, D.**, Holtmann, M., Aggensteiner, P., Daley, D., Santosh, P., Simonoff, E., Stevenson, J., Stringaris, A., Sonuga-Barke, E. J. S., & on behalf of the European ADHD Guidelines Group. (2016). Neurofeedback for attention-deficit/hyperactivity disorder: meta-analysis of clinical and neuropsychological outcomes from randomized controlled trials. *Journal of the American Academy of Child & Adolescent Psychiatry*, 55(6):444-55. [SCI 2014=7.26]
147. Boecker-Schlier, R., Holz, N. E., Hohm, E., Zohsel, K., Blomeyer, D., Buchmann, A. F., Baumeister, S., Wolf, I., Esser, G., Schmidt, M. H., Meyer-Lindenberg, A., Banaschewski, T., **Brandeis, D.\***, & Laucht, M.\* (2016). Association between pubertal stage at first drink and neural reward processing in early adulthood. *Addiction Biology*, in press, accepted April 26, 2016 [SCI 2014=5.359].
148. Hohmann, S., Zohsel, K., Buchmann, A. F., Blomeyer, D., Holz, N., Boecker-Schlier, R., Jennen-Steinmetz, C., Rietschel, M., Witt, S. H., Schmidt, M. H., Esser, G., Meyer-Lindenberg,

- A., Banaschewski, T., **Brandeis, D.**, Hohm, E., & Laucht, M. (2016). Interacting effect of MAOA genotype and maternal prenatal smoking on aggressive behavior in young adulthood. *Journal of Neural Transmission*, 123(8):885-94. [SCI 2015=2.587]
149. Michelini, G., Kitsune, G. L., Cheung, C. H. M., **Brandeis, D.**, Banaschewski, T., Asherson, P., McLoughlin, G., & Kuntsi, J. (2016). ADHD remission is linked to better neurophysiological error detection and attention-vigilance processes. *Biological Psychiatry*, in press, accepted 27.6.2016. [SCI 2015=11.212].
150. Moessnang, C., Schaefer, A., Bilek, E., Roux, P., Otto, K., Baumeister, S., Hohmann, S., Poustka, L., **Brandeis, D.**, Banaschewski, T., Meyer-Lindenberg, A., & Tost, H. (2016). Specificity, reliability and sensitivity of social brain responses during spontaneous mentalizing. *Social Cognitive and Affective Neuroscience*, in press, accepted July 13, 2016. [SCI 2015=5.101]
151. Rommel, A.-S., Kitsune, G. L., Michelini, G., Hosang, G. M., Asherson, P., McLoughlin, G., **Brandeis, D.**, & Kuntsi, J. (2016). Commonalities in EEG spectral power abnormalities between women with ADHD and women with bipolar disorder during rest and cognitive performance. *Brain Topography*, 29(6):856-866. [SCI 2015=3.727]
152. Du Rietz, E., Cheung, C. H., McLoughlin, G., **Brandeis, D.**, Banaschewski, T., Asherson, P., & Kuntsi, J. (2016). Self-report of ADHD shows limited agreement with objective markers of persistence and remittance. *Journal of Psychiatric Research*, 82, 91-99. doi: 10.1016/j.jpsychires.2016.07.020. [SCI 2015=4.465]
- 153.** Holz, N. E., Boecker, R., Buchmann, A. F., Blomeyer, D., Jennen-Steinmetz, C., Baumeister, S., Plichta, M. M., Cattrell, A., Schumann, G., Esser, G., Schmidt, M., Buitelaar, J., Hohm, E., Meyer-Lindenberg, A., Banaschewski, T.\*, **Brandeis, D.\***, & Laucht, M.\* (2015). Ventral striatum and amygdala activity as convergence sites for early adversity and conduct disorder. *Social Cognitive and Affective Neuroscience*, in press, accepted Aug 12, 2016(4), 996-1004. doi: 10.1038/npp.2014.277 [\*equal senior contributions, SCI 2015=5.101]
154. Naaijen, J., Ruiter, S. d., Zwiers, M. P., Glennon, J. C., Durston, S., Lythgoe, D. J., Williams, S. C. R., Banaschewski, T., **Brandeis, D.**, Franke, B., & Buitelaar, J. K. (2016). COMPULS: Design of a multicenter phenotypic, cognitive, genetic, and magnetic resonance imaging study in children with compulsive syndromes. *BMC Psychiatry*, in press, accepted Oct 13, 2016. [SCI 2015=2.576]

### Short communications, editorials, letters, books, chapters, and reviews

1. Lehmann, D., **Brandeis, D.**, Horst, A., Ozaki, H., & Pal, I. (1987). Hirnzustände im Sub-Sekundenbereich: Elektrische Hirnfelder bei Aufmerksamkeit und bewusster beziehungsweise unbewusster Wahrnehmung. In H. M. Weinmann (Ed.), *Zugang zum Verständnis höherer Hirnfunktionen durch das EEG* (pp. 22-31). München: Zuckschwerdt.
2. Lehmann, D., **Brandeis, D.**, Ozaki, H., & Pal, I. (1987). Human brain EEG fields: micro states and their functional significance. In H. Haken (Ed.), *Computational Systems - Natural and Artificial* (pp. 65-73). Heidelberg: Springer.
3. **Brandeis, D.**, Horst, A., & Lehmann, D. (1987). Topographic effects of attention and subjective figure perception in adaptively segmented ERP map series. *Electroencephalography & Clinical Neurophysiology - Supplement*, Vol. 40, pp. 76-80. Amsterdam: Elsevier.
4. **Brandeis, D.**, & Callaway, E. (1988). While on the subject of closure. *Behavioral and Brain Sciences*, 11, 377.
5. Lehmann, D., **Brandeis, D.**, Horst, A., Ozaki, H., & Pal, I. (1988). Spontaneous and information-triggered segments of series of human brain electric field maps. In D. Z. Anderson (Ed.), *Neural Information Processing Systems* (pp. 467-473). New York: Amer. Inst. Physics.

6. **Brandeis, D.**, Naylor, H., Callaway, E., Halliday, R., Meeke, P., & Yano, L. (1990). Scopolamine affects easy to discriminate targets. In C. H. M. Brunia, A. W. K. Gaillard, & A. Kok (Eds.), *Psychophysiological Brain Research* (Vol. 2, pp. 87-90). Tilburg: Tilburg University Press.
7. Lehmann, D., Michel, C. M., Henggeler, B., & **Brandeis, D.** (1991). Source localization of spontaneous EEG using the FFT dipole approximation: Different frequency bands and differences with classes of thought. In I. Dvorak & A. V. Holden (Eds.), *Mathematical Approaches to Brain Functioning Diagnostics* (pp. 159-169). Manchester: Manchester University Press.
8. Michel, C. M., Henggeler, B., **Brandeis, D.**, & Lehmann, D. (1993). Localization of sources of brain alpha/theta/delta activity and the influence of the mode of spontaneous mentation. *Physiological Measures*, 14, A21-A26.
9. Michel, C. M., **Brandeis, D.**, Skrandies, W., Pascual, R., Strik, W., Dierks, T., Hamburger, H. L., & Karniski, W. (1993). Global field power: a 'time-honoured' index for EEG/EP map analysis. *International Journal of Psychophysiology*, 15, 1-2.
10. **Brandeis, D.**, & Lehmann, D. (1994). ERP mapping: a tool for assessing language disorders ? In H. J. Heinze, T. F. Münte, & G. R. Mangun (Eds.), *Cognitive Electrophysiology* (pp. 242-250). Boston: Birkhäuser.
11. **Brandeis, D.** (1995). Psychophysiologie der hyperkinetischen Störungen. In H.-C. Steinhausen (Ed.), *Hyperkinetische Störungen im Kindes- und Jugendalter* (pp. 71-89). Stuttgart: Kohlhammer.
12. **Brandeis D.**, Steinhausen H-C (1998), Neurophysiologische Veränderungen bei Therapie mit Methylphenidat. *Pädiatrische Praxis*, 54, 662-663.
13. **Brandeis, D.**, & Steinhausen, H.-C. (1999). Neurophysiologische Veränderungen bei Therapie mit Methylphenidat - Schlusswort. *Pädiatrische Praxis*, 55, 422-424.
14. **Brandeis D.** (2000), Dyslexien und Hirnfunktion. *Leseforum Schweiz*, 9: 51-53.
15. **Brandeis, D.** (2000). Psychophysiologie der hyperkinetischen Störungen. 2. Auflage. In H.-C. Steinhausen (Ed.), *Hyperkinetische Störungen im Kindes- und Jugendalter* (pp. 55-86). Stuttgart: Kohlhammer.
16. **Brandeis, D.**, van Leeuwen, T. H., Steger, J., Imhof, K., & Steinhausen, H. C. (2002). Mapping brain functions of ADHD children. In K. Hirata & Y. Koga & K. Nagata & K. Yamazaki (Eds.), *Recent Advances in Human Brain Mapping*, vol 1232, pp 649-654. Amsterdam: Elsevier.
17. McLoughlin, G., Kuntsi, J., **Brandeis, D.**, & Banaschewski, T. (2005). Electrophysiological parameters in psychiatric research: ADHD. *Psychiatry*, 4(12), 14-18.
18. Banaschewski, T., & **Brandeis, D.** (2007). Annotation: What electrical brain activity tells us about brain function that other techniques cannot tell us: a child psychiatric perspective. *Journal of Child Psychology and Psychiatry*, 48(5), 415-435. [SCI 2007=4.432]
19. Banaschewski, T., & **Brandeis, D.** (2008). Electrophysiology in Child Psychiatric Disorders. In T. Banaschewski & L. Rohde (Eds), *Biological Child Psychiatry. Recent Trends and Developments. Adv Biol Psychiatry* vol 24, pp 227-237. Basel: Karger
20. **Brandeis, D.**, Michel, C.M., Amzica, F., 2009. From Neuronal Activity to Scalp Potential Fields. In: Michel, C.M., Koenig, T., Brandeis, D., Gianotti, L.R.R., Wackermann, J. (Eds.), *Electrical Neuroimaging*. Cambridge University Press, Cambridge, pp. 1-24.
21. **Brandeis, D.**, Michel, C.M., Koenig, T., Gianotti, L.R.R. (2009). Integration with Other Functional Imaging Methods. In: Michel, C.M., Koenig, T., Brandeis, D., Gianotti, L.R.R., Wackermann, J. (Eds.), *Electrical Neuroimaging*. Cambridge University Press, Cambridge, pp. 215-232.
22. Michel, C.M., **Brandeis, D.** (2009). Data Acquisition and Pre-processing Standards for Electrical Neuroimaging. In: Michel, C.M., Koenig, T., Brandeis, D., Gianotti, L.R.R., Wackermann, J. (Eds.), *Electrical Neuroimaging*. Cambridge University Press, Cambridge, pp. 79-92.
23. Michel, C.M., **Brandeis, D.** (2010). The sources and temporal dynamics of scalp electric fields. In: Ullsperger, M., Debener, S. (Eds.), *Simultaneous EEG and fMRI: Recording, Analysis, and*



Application. Oxford University Press.

24. Michel, C.M., Koenig, T., **Brandeis, D.** (2009). Electrical Neuroimaging in the time domain. In: Michel, C.M., Koenig, T., Brandeis, D., Gianotti, L.R.R., Wackermann, J. (Eds.), *Electrical Neuroimaging*. Cambridge University Press, Cambridge, pp. 111-143.
25. Michel, C.M., Koenig, T., **Brandeis, D.**, Gianotti, L.R.R., Wackermann, J. (Eds.), (2009). *Electrical Neuroimaging*, 1 ed. Cambridge University Press, Cambridge.
26. Pascual-Marqui, R.D., Sekihara, K., **Brandeis, D.**, Michel, C.M. (2009). Imaging the electric neuronal generators of EEG/MEG. In: Michel, C.M., Koenig, T., Brandeis, D., Gianotti, L.R.R., Wackermann, J. (Eds.), *Electrical Neuroimaging*. Cambridge University Press, Cambridge, pp. 49-77.
27. **Brandeis, D.**, Banaschewski, T., 2010. Neurophysiologie - elektrische Hirnaktivität. In: Steinhausen, H.C., Rothenberger, A., Döpfner, M. (Eds.), *Handbuch Aufmerksamkeits-Defizit-Hyperaktivitätsstörung (ADHS)*. Kohlhammer, Stuttgart, pp. 57-75.
28. Albrecht, B., Uebel, H., **Brandeis, D.**, & Banaschewski, T. (2010). Bedeutung psychophysiologischer Methoden in der Kinder- und Jugendpsychiatrie. *Zeitschrift für Kinder- und Jugendpsychiatrie und Psychotherapie*, 38(6), 395-407. [SCI 2010=1.292]
29. **Brandeis, D.** (2011). Neurofeedback training in ADHD: more news on specificity. *Clinical Neurophysiology*, 122, 856-857 (Editorial). [SCI 2011=3.406]
30. **Brandeis, D.**, Koenig, T., & Wackermann, J. (2011). Individual Brain Maturity: from Electrophysiology to fMRI. *Brain Topography*, 24(3-4), 187-188. [SCI 2011=3.455]
31. Brem, S., Hauser, T. U., Iannaccone, R., Drechsler, R., **Brandeis, D.**, & Walitza, S. (2012). Neuroimaging of cognitive brain function in paediatric obsessive compulsive disorder *Journal of Neural Transmission*, 119(11), 1425-4. [SCI 2011=2.73]
32. Moriyama, T. S., Polanczyk, G. V., Caye, A., Banaschewski, T., **Brandeis, D.**, & Rohde, L. A. (2012). Evidence based information on the clinical use of neurofeedback for ADHD. *Neurotherapeutics*, 9(3), 588-98. [SCI 2011=6.008]
33. Poustka, L., **Brandeis, D.**, Hohmann, S., Holtmann, M., Bölte, S., & Banaschewski, T. (2014). Neurobiologically based interventions for autism spectrum disorders-rationale and new directions. *Restorative Neurology and Neuroscience*, 32(1), 197-212. [SCI 2013=4.179]
34. Sonuga-Barke, E. J. S., **Brandeis, D.**, Cortese, S., Daley, D., Danckaerts, M., Döpfner, M., Ferrin, M., Holtmann, M., Oord, S. v. d., & European ADHD Guidelines Group. (2013). Response to Chronis-Tuscano et al. and Arns and Strehl. *American Journal of Psychiatry*, 170(7), 800-802. [SCI 2013=13.559]
35. Laucht, M., **Brandeis, D.**, & Zohsel, K. (2014). Gene-Environment Interactions in the Etiology of Human Violence. In K. A. Miczek & A. Meyer-Lindenberg (Eds.), *Neuroscience of Aggression*. Heidelberg: Springer. *Current Topics in Behavioral Neurosciences*, 17, 267-295.
36. Buchmann, A. F., Hohmann, S., **Brandeis, D.**, Banaschewski, T., & Poustka, L. (2014). Aggression in Children and Adolescents. In K. A. Miczek & A. Meyer-Lindenberg (Eds.), *Neuroscience of Aggression*. Heidelberg: Springer. *Current Topics in Behavioral Neurosciences*, 17, 421-442.
37. Holtmann, M., Sonuga-Barke, E., Cortese, S., & **Brandeis, D.** (2014). Neurofeedback for ADHD: A Review of Current Evidence. *Child and Adolescent Psychiatric Clinics of North America*, 23(4), 789-806. doi: 10.1016/j.chc.2014.05.006. [SCI 2013=2.481]
38. Sonuga-Barke, E., **Brandeis, D.**, Holtmann, M., & Cortese, S. (2014). Computer-based Cognitive Training for ADHD: A Review of Current Evidence. *Child and Adolescent Psychiatric Clinics of North America*, 23(4), 807-824. doi: 10.1016/j.chc.2014.05.009 [SCI 2013=2.481]
39. Michel, C. M., **Brandeis, D.**, Witte, H., Wackermann, J., Kochi, K., Gianotti, L., Faber, P., Milz, P., Pascual-Marqui, R. D., Koenig, T., Kinoshita, T., Strik, W., & Skrandies, W. (2014). In memoriam: Dietrich Lehmann, 1929-2014. *Brain Topography*, 27(5), 611-612.
40. Koenig, T., & **Brandeis, D.** (2016). Inappropriate assumptions about EEG state changes and their

impact on the quantification of EEG state dynamics. *NeuroImage*, 25,1104-06. doi: 10.1016/j.neuroimage.2015.06.035

41. Arns, M., Loo, S. K., Sterman, B., Heinrich, H., Kuntsi, J., Asherson, P., Banaschewski, T., & **Brandeis, D.** (2015). How should child psychologists and psychiatrists interpret FDA device approval? Caveat emptor. *Journal of Child Psychology and Psychiatry*, 57(5):656-8. doi: <http://dx.doi.org/10.1016/j.euroneuro.2015.03.007> [\*equal senior contributions, SCI 2014= 6.459]
42. Holz, N. E., Zohsel, K., Laucht, M., Banaschewski, T.\*, Hohmann, S.\*, & **Brandeis, D.\*** (2016). Gene x environment interactions in conduct disorder: Implications for future treatments. [Original Article]. *Neuroscience & Biobehavioral Reviews*, in press; accepted August 15, 2016. doi: 10.1038/npp.2014.277 [\*equal senior contributions, SCI 2015= 8.58]

## **Grants**

**Principal investigator (PI)** in several projects on ADHD and dyslexia with the Swiss National Science Foundation (SNSF), and in the University Research Program “Integrative Human Physiology”.

**Co- investigator (CI)** in several projects on development, plasticity, ADHD and dyslexia with the SNSF, National Competence Centers, and EU (FP6 , COST)

### **A. Grants, past 5 years, completed**

- 2008 – 2011: Grant Gesundheitsdirektion Kt. Zürich /sustainable psychiatry  
*Vergleich von zwei Neurofeedback-Varianten in der ADHS - Behandlung*  
(PI/CI with Prof. H.-C. Steinhausen und R. Drechsler)
- 2010 – 2012: Deutsche Forschungsgemeinschaft DFG, Sonderforschungsbereich 636:  
Lernen Gedächtnis und Plastizität des Gehirns  
*SFB Teilprojekt D08: Normalisiert das Erlernen von Selbstregulation gestörte Belohnungsprozesse und Fehlermonitoring bei der Aufmerksamkeitsdefizit/-Hyperaktivitätsstörung?* (CI, with Prof. M. Holtmann, PI T. Banaschewski)
- 2009 – 2013: SNF  
*Neural Print Tuning and Persistence of Dyslexia* (PI)
- 2010 – 2013: Schweizerischer Nationalfonds  
*Neuroimaging of cognitive flexibility and action monitoring in paediatric obsessive-compulsive disorder (OCD) and attention deficit-hyperactivity disorder (ADHD)* (CI, with R. Drechsler and S. Brem, PI S. Walitza)
- 2011 – 2013: Universitärer Forschungsschwerpunkt ZIHP  
*Linking the major system markers for typical and atypical brain development: a multimodal imaging and spectroscopy study*  
(CI/ Site PI, with PI R. O’Gorman / E. Martin, P. Klaver, P. Boesiger, A. Lauber-Biason, A. Henning, R. Edden, L. Michels, Universität and ETH Zürich, cooperative project)
- 2010 – 2014: Deutsche Forschungsgemeinschaft DFG  
*Neural correlates of stress-related gene-environment interactions* (CI, with A. Meyer-Lindenberg, T. Banaschewski, PI M. Laucht)
- 2012 – 2015: Schweizerischer Nationalfonds Sinergia  
*Resting states of the brain and state dependent information processing in health and disease*  
(CI/ Site PI, PI T. Koenig, Universität Bern, with P. Achermann, L. Jäncke, Universität Zürich, cooperative project)

### **B. Grants, current**

- 2013 – 2018: EU FP7  
*Aggrosotype: Aggression subtyping for improved insight and treatment innovation in paediatric psychiatric disorders, WP8: Biofeedback treatment of*

*arousal in impulsive and instrumental aggression*

(WP-leader with T. Banaschewski, CIMH Mannheim, PI B. Franke, Nijmegen)

2014 – 2019: EU FP7

*MATRICS: Multidisciplinary Approaches to Translational Research in Conduct Syndromes*

(WP-leader with T. Banaschewski, CIMH Mannheim, PI J. Glennon, Nijmegen)