

## PUBLIKATIONEN

### Books/Bücher

1. Baumer T, Weissbach A. Dystonie. In: Diener H, Steinmetz H, Kastrup O, eds. Referenz Neurologie. Stuttgart: Thieme, 2019: 233-241.
2. Limmroth V, Bäumer T. Polyneuropathien. In: Brandt T, Diener HC, Gerloff C, eds. Therapie und Verlauf Neurologischer Erkrankungen, 6. ed. Stuttgart: Kohlhammer, 2012: 1040-1057.
3. Bäumer T. Die elektronische Visite. In: Gocke P, Debatin JF, eds. IT im Krankenhaus, 1. ed. Berlin: Medizinisch Wissenschaftliche Verlagsgesellschaft, 2011: 237-248.
4. Bäumer T, Münchau A. Zerebrale Konnektivität. In: Ziemann U, Siebner HR, eds. Das TMS Buch. Berlin: Springer, 2007.

### Film/Theater

### Peer reviewed articles

1. S. Loens, N. Bruggemann, A. Steffen and T. Baumer. Localization of Salivary Glands for Botulinum Toxin Treatment: Ultrasound Versus Landmark Guidance. *Mov Disord Clin Pract.* 2020;7(2):194-198
2. B. D. Berman, C. L. Groth, S. H. Sillau, S. Pirio Richardson, S. A. Norris, J. Junker, N. Bruggemann, P. Agarwal, R. L. Barbano, A. J. Espay, J. A. Vizcarra, C. Klein, T. Baumer, S. Loens, S. G. Reich, M. Vidailhet, C. Bonnet, E. Roze, H. A. Jinnah and J. S. Perlmutter. Risk of spread in adult-onset isolated focal dystonia: a prospective international cohort study. *J Neurol Neurosurg Psychiatry.* 2020;91(3):314-320
3. M. G. Pauly, S. Tunc, T. Baumer, G. Gillissen-Kaesbach and A. Münchau. "Twitching" and Stiffness in POLG1 Mutation Carriers: Red Flag or Red Herring? *Mov Disord Clin Pract.* 2020;7(1):91-93
4. Weissbach, K. Udupa, Z. Ni, C. Gunraj, C. Rinchon, J. Baarbe, A. Fasano, R. P. Munhoz, A. Lang, V. Tadic, N. Bruggemann, A. Münchau, T. Baumer and R. Chen. Single-pulse subthalamic deep brain stimulation reduces premotor-motor facilitation in Parkinson's disease. *Parkinsonism Relat Disord.* 2019;66:224-227
5. S. Tunc, J. Denecke, L. Olschewski, T. Baumer, A. Münchau, D. Lessel and K. Lohmann. A recurrent de-novo ANO3 mutation causes early-onset generalized dystonia. *J Neurol Sci.* 2019;396:199-201
6. Steffen, W. Jost, T. Baumer, D. Beutner, S. Degenkolb-Weyers, M. Gross, M. Grosheva, S. Hakim, K. G. Kahl, R. Laskawi, R. Lencer, J. Lohler, T. Meyners, S. Rohrbach-Volland, R. Schonweiler, S. C. Schroder, S. Schroder, H. Schroter-Morasch, M. Schuster, S. Steinlechner, R. Urban and O. Guntinas-Lichius. [Hypersalivation - Update of the S2k guideline (AWMF) in short form]. *Laryngorhinootologie.* 2019;98(6):388-397
7. Steffen, W. Jost, T. Baumer, D. Beutner, S. Degenkolb-Weyers, M. Gross, M. Grosheva, S. Hakim, K. G. Kahl, R. Laskawi, R. Lencer, J. Lohler, T. Meyners, S. Rohrbach-Volland, R. Schonweiler, S. C. Schroder, S. Schroder, H. Schroter-Morasch, M. Schuster, S. Steinlechner, R. Urban and O. Guntinas-Lichius. Hypersalivation: update of the German S2k guideline (AWMF) in short form. *J Neural Transm (Vienna).* 2019;126(7):853-862
8. L. Olschewski, S. Jesus, H. J. Kim, S. Tunc, S. Lons, J. Junker, K. E. Zeuner, A. A. Kuhn, G. Kuhlenbaumer, E. Schaffer, D. Berg, M. Kasten, A. Ferbert, E. Altenmüller, N. Bruggemann, P. Bauer, A. Rolfs, B. Jeon, T. Baumer, P. Mir, C. Klein and K. Lohmann. Role of ANO3 mutations in dystonia: A large-scale mutational screening study. *Parkinsonism Relat Disord.* 2019;62:196-200
9. J. Junker, T. Paulus, V. Brandt, A. Weissbach, S. Tunc, S. Loens, R. B. Reilly, M. Hutchinson and T. Baumer. Temporal discrimination threshold and blink reflex recovery cycle in cervical dystonia - two sides of the same coin? *Parkinsonism Relat Disord.* 2019;68:4-7
10. W. H. Jost, T. Baumer, R. Laskawi, B. Spittau, A. Steffen and M. Winterholler. [Therapy of sialorrhea with botulinum toxin]. *Fortschr Neurol Psychiatr.* 2019;87(10):554-563
11. W. H. Jost, T. Baumer, R. Laskawi, J. Slawek, B. Spittau, A. Steffen, M. Winterholler and G. Bavikatte. Therapy of Sialorrhea with Botulinum Neurotoxin. *Neurol Ther.* 2019;8(2):273-288

12. Hippmann, I. Kuhlemann, T. Baumer, J. Bahlmann, T. F. Munte and S. Jessen. Boosting the effect of reward on cognitive control using TMS over the left IFJ. *Neuropsychologia*. 2019;125:109-115
13. M. J. N. Brown, A. Weissbach, M. G. Pauly, M. Vesia, C. Gunraj, J. Baarbe, A. Munchau, T. Baumer and R. Chen. Somatosensory-motor cortex interactions measured using dual-site transcranial magnetic stimulation. *Brain Stimul*. 2019;12(5):1229-1243
14. T. Bäumer and A. Weissbach. *Dystonie*. Stuttgart: Thieme; 2019
15. S. Zittel, V. Tadic, C. K. E. Moll, T. Baumer, A. Fellbrich, A. Gulberti, D. Rasche, N. Bruggemann, V. Tronnier and A. Munchau. Prospective evaluation of Globus pallidus internus deep brain stimulation in Huntington's disease. *Parkinsonism Relat Disord*. 2018;51:96-100
16. J. Tubing, B. Gigla, V. C. Brandt, J. Verrel, A. Weissbach, C. Beste, A. Munchau and T. Baumer. Associative plasticity in supplementary motor area - motor cortex pathways in Tourette syndrome. *Sci Rep*. 2018;8(1):11984
17. J. Tubing, J. Bohnenpoll, J. Spiegler, G. Gillessen-Kaesbach, T. Baumer, C. Max, J. Sperner, C. Klein and A. Munchau. Methylphenidate Can Improve Chorea in NKX2.1 and ADCY5 Mutation-positive Patients-A Report of Two Children. *Mov Disord Clin Pract*. 2018;5(3):343-345
18. H. Manzoor, N. Bruggemann, H. M. J. Hussain, T. Baumer, F. Hinrichs, M. Wajid, A. Munchau, S. Naz and K. Lohmann. Novel homozygous variants in ATCA1, MCOLN1, and SACS in complex neurological disorders. *Parkinsonism Relat Disord*. 2018;51:91-95
19. O. Frundt, R. Schulz, D. Schottle, B. Cheng, G. Thomalla, H. Braass, C. Ganos, N. David, I. Peiker, A. K. Engel, T. Baumer and A. Munchau. White Matter Microstructure of the Human Mirror Neuron System is Related to Symptom Severity in Adults with Autism. *J Autism Dev Disord*. 2018;48(2):417-429
20. V. C. Brandt, J. Hermanns, C. Beck, T. Baumer, B. Zurowski and A. Munchau. The temporal relationship between premonitory urges and covert compulsions in patients with obsessive-compulsive disorder. *Psychiatry Res*. 2018;262:6-12
21. Weissbach, E. Werner, J. F. Bally, S. Tunc, S. Lons, D. Timmann, K. E. Zeuner, V. Tadic, N. Bruggemann, A. Lang, C. Klein, A. Munchau and T. Baumer. Alcohol improves cerebellar learning deficit in myoclonus-dystonia: A clinical and electrophysiological investigation. *Ann Neurol*. 2017;82(4):543-553
22. Weissbach, I. R. König, K. Huckelheim, P. P. Pramstaller, E. Werner, N. Bruggemann, V. Tadic, K. Lohmann, T. Baumer, A. Munchau, M. Kasten and C. Klein. Influence of L-dopa on subtle motor signs in heterozygous Parkin- and PINK1 mutation carriers. *Parkinsonism Relat Disord*. 2017;42:95-99
23. Weissbach, T. Baumer, P. P. Pramstaller, N. Bruggemann, V. Tadic, R. Chen, C. Klein and A. Munchau. Abnormal premotor-motor interaction in heterozygous Parkin- and Pink1 mutation carriers. *Clin Neurophysiol*. 2017;128(1):275-280
24. S. Tunc, N. Bruggemann, M. K. Baaske, C. Hartmann, K. Grutz, A. Westenberger, C. Klein, A. Munchau and T. Baumer. Facial twitches in ADCY5-associated disease - Myokymia or myoclonus? An electromyography study. *Parkinsonism Relat Disord*. 2017;40:73-75
25. S. Steinlechner, J. Hagenah, H. J. Rumpf, C. Meyer, U. John, T. Baumer, N. Bruggemann, M. Kasten, A. Munchau, C. Klein and R. Lencer. Associations of specific psychiatric disorders with isolated focal dystonia, and monogenic and idiopathic Parkinson's disease. *J Neurol*. 2017;264(6):1076-1084
26. Schramm, D. Huber, C. Mobius, A. Munchau, Z. Kohl and T. Baumer. Involvement of obliquus capitis inferior muscle in dystonic head tremor. *Parkinsonism Relat Disord*. 2017;44:119-123
27. D. Berman, J. Junker, E. Shelton, S. H. Sillau, H. A. Jinnah, J. S. Perlmutter, A. J. Espay, J. Jankovic, M. Vidailhet, C. Bonnet, W. Ondo, I. A. Malaty, R. Rodriguez, W. M. McDonald, L. Marsh, M. Zurowski, T. Baumer and N. Bruggemann. Psychiatric associations of adult-onset focal dystonia phenotypes. *J Neurol Neurosurg Psychiatry*. 2017;88(7):595-602
28. T. Baumer, V. Sajin and A. Munchau. Childhood-Onset Movement Disorders: A Clinical Series of 606 Cases. *Mov Disord Clin Pract*. 2017;4(3):437-440
29. T. Baumer, A. Grimm and T. Schelle. [Diagnostic nerve ultrasonography]. *Radiologe*. 2017;57(3):157-165
30. S. Steinrücke, K. Lohmann, A. Domingo, A. Rolfs, T. Baumer, J. Spiegler, C. Hartmann and A. Munchau. Novel GNB1 missense mutation in a patient with generalized dystonia, hypotonia, and intellectual disability. *Neurol Genet*. 2016;2(5):e106

31. O. Schunke, D. Schottle, E. Vettorazzi, V. Brandt, U. Kahl, T. Baumer, C. Ganos, N. David, I. Peiker, A. K. Engel, M. Brass and A. Munchau. Mirror me: Imitative responses in adults with autism. *Autism*. 2016;20(2):134-44
32. V. C. Brandt, P. Patalay, T. Baumer, M. Brass and A. Munchau. Tics as a model of over-learned behavior-imitation and inhibition of facial tics. *Mov Disord*. 2016;31(8):1155-62
33. V. C. Brandt, C. Beck, V. Sajin, M. K. Baaske, T. Baumer, C. Beste, S. Anders and A. Munchau. Temporal relationship between premonitory urges and tics in Gilles de la Tourette syndrome. *Cortex*. 2016;77:24-37
34. Beste, J. Tubing, H. Seeliger, T. Baumer, V. Brandt, A. K. Stock and A. Munchau. Altered perceptual binding in Gilles de la Tourette syndrome. *Cortex*. 2016;83:160-6
35. T. Bäumer and K. Zeuner. Neues zur Botulinum Neurotoxin A Therapie bei Spastik und fokaler Dystonie. *Aktuelle Neurologie*. 2016;43(06):372-379
36. T. Baumer, A. Schmidt, M. Heldmann, M. Landwehr, A. Simmer, D. Tonniges, T. Munte, K. Lohmann, E. Altenmüller, C. Klein and A. Munchau. Abnormal interhemispheric inhibition in musician's dystonia - Trait or state? *Parkinsonism Relat Disord*. 2016;25:33-8
37. T. Baumer, N. Buhning, T. Schelle, A. Munchau and N. Muschol. Nerve ultrasound in clinical management of carpal tunnel syndrome in mucopolysaccharidosis. *Dev Med Child Neurol*. 2016;58(11):1172-1179
38. S. Zittel, C. K. Moll, A. Gulberti, V. Tadic, D. Rasche, T. Baumer, A. Fellbrich, N. Bruggemann, A. K. Engel, V. Tronnier, W. Hamel and A. Munchau. Pallidal deep brain stimulation in Huntington's disease. *Parkinsonism Relat Disord*. 2015;21(9):1105-8
39. S. Zittel, R. C. Helmich, C. Demiralay, A. Munchau and T. Baumer. Normalization of sensorimotor integration by repetitive transcranial magnetic stimulation in cervical dystonia. *J Neurol*. 2015;262(8):1883-9
40. S. Zittel, C. Heinbokel, J. P. van der Vegt, E. Niessen, C. Buhmann, C. Gerloff, H. R. Siebner, A. Munchau and T. Baumer. Effects of dopaminergic treatment on functional cortico-cortical connectivity in Parkinson's disease. *Exp Brain Res*. 2015;233(1):329-37
41. R. Werner, H. Merz, W. Birnbaum, L. Marshall, T. Schroder, B. Reiz, J. M. Kavran, T. Baumer, P. Capetian and O. Hiort. 46,XY Gonadal Dysgenesis due to a Homozygous Mutation in Desert Hedgehog (DHH) Identified by Exome Sequencing. *J Clin Endocrinol Metab*. 2015;100(7):E1022-9
42. Weissbach, T. Baumer, R. Rosales, L. V. Lee, N. Bruggemann, A. Domingo, A. Westenberger, R. D. Jomora, C. C. Diesta, V. Brandt, V. Tadic, S. Zittel, C. Klein and A. Munchau. Neurophysiological fingerprints of X-linked dystonia-parkinsonism: A model basal ganglia disease. *Mov Disord*. 2015;30(6):873-5
43. Weissbach, T. Baumer, N. Bruggemann, V. Tadic, S. Zittel, B. Cheng, G. Thomalla, C. Klein and A. Munchau. Premotor-motor excitability is altered in dopa-responsive dystonia. *Mov Disord*. 2015;30(12):1705-9
44. Schramm, T. Baumer, U. Fietzek, S. Heitmann, U. Walter and W. H. Jost. Relevance of sonography for botulinum toxin treatment of cervical dystonia: an expert statement. *J Neural Transm (Vienna)*. 2015;122(10):1457-63
45. U. Kahl, O. Schunke, D. Schottle, N. David, V. Brandt, T. Baumer, V. Roessner, A. Munchau and C. Ganos. Tic Phenomenology and Tic Awareness in Adults With Autism. *Mov Disord Clin Pract*. 2015;2(3):237-242
46. G. Thomalla, M. Jonas, T. Baumer, H. R. Siebner, K. Biermann-Ruben, C. Ganos, M. Orth, F. C. Hummel, C. Gerloff, K. Müller-Vahl, A. Schnitzler and A. Munchau. Costs of control: decreased motor cortex engagement during a Go/NoGo task in Tourette's syndrome. *Brain*. 2014;137(Pt 1):122-36
47. M. Pham, T. Baumer and M. Bendszus. Peripheral nerves and plexus: imaging by MR-neurography and high-resolution ultrasound. *Curr Opin Neurol*. 2014;27(4):370-9
48. K. Moll, E. Galindo-Leon, A. Sharott, A. Gulberti, C. Buhmann, J. A. Koeppen, M. Biermann, T. Baumer, S. Zittel, M. Westphal, C. Gerloff, W. Hamel, A. Munchau and A. K. Engel. Asymmetric pallidal neuronal activity in patients with cervical dystonia. *Front Syst Neurosci*. 2014;8:15
49. Ganos, S. Zittel, M. Minnerop, O. Schunke, C. Heinbokel, C. Gerloff, C. Zühlke, P. Bauer, T. Klockgether, A. Munchau and T. Baumer. Clinical and neurophysiological profile of four German families with spinocerebellar ataxia type 14. *Cerebellum*. 2014;13(1):89-96

50. Ganos, S. Kuhn, U. Kahl, O. Schunke, J. Feldheim, C. Gerloff, V. Roessner, T. Baumer, G. Thomalla, P. Haggard and A. Munchau. Action inhibition in Tourette syndrome. *Mov Disord.* 2014;29(12):1532-8
51. Ganos, S. Kuhn, U. Kahl, O. Schunke, V. Brandt, T. Baumer, G. Thomalla, P. Haggard and A. Munchau. Prefrontal cortex volume reductions and tic inhibition are unrelated in uncomplicated GTS adults. *J Psychosom Res.* 2014;76(1):84-7
52. Ganos, U. Kahl, V. Brandt, O. Schunke, T. Baumer, G. Thomalla, V. Roessner, P. Haggard, A. Munchau and S. Kuhn. The neural correlates of tic inhibition in Gilles de la Tourette syndrome. *Neuropsychologia.* 2014;65:297-301
53. V. C. Brandt, E. Niessen, C. Ganos, U. Kahl, T. Baumer and A. Munchau. Altered synaptic plasticity in Tourette's syndrome and its relationship to motor skill learning. *PLoS One.* 2014;9(5):e98417
54. S. Zittel, C. Heinbokel, J. van der Vegt, E. Niessen, H. Siebner, C. Buhmann, C. Gerloff, T. Baumer and A. Munchau. Cortico-cortical connectivity in Parkinson's disease and the influence of dopaminergic treatment. *Journal.* 2013;28:S89-S89
55. N. H. Jung, W. G. Janzarik, I. Delvendahl, A. Munchau, M. Biscaldi, F. Mainberger, T. Baumer, R. Rauh and V. Mall. Impaired induction of long-term potentiation-like plasticity in patients with high-functioning autism and Asperger syndrome. *Dev Med Child Neurol.* 2013;55(1):83-9
56. P. Baumer, V. F. Mautner, T. Baumer, M. U. Schuhmann, M. Tatagiba, S. Heiland, T. Kaestel, M. Bendszus and M. Pham. Accumulation of non-compressive fascicular lesions underlies NF2 polyneuropathy. *J Neurol.* 2013;260(1):38-46
57. S. Zittel, J. Kroeger, J. P. van der Vegt, H. R. Siebner, N. Bruggemann, A. Ramirez, M. I. Behrens, C. Gerloff, T. Baumer, C. Klein and A. Munchau. Motor pathway excitability in ATP13A2 mutation carriers: a transcranial magnetic stimulation study. *Parkinsonism Relat Disord.* 2012;18(5):590-4
58. S. Groppa, B. H. Schlaak, A. Munchau, N. Werner-Petroll, J. Dunnweber, T. Baumer, B. F. van Nuenen and H. R. Siebner. The human dorsal premotor cortex facilitates the excitability of ipsilateral primary motor cortex via a short latency cortico-cortical route. *Hum Brain Mapp.* 2012;33(2):419-30
59. Ganos, S. Zittel, C. Gerloff, A. Munchau and T. Baumer. The complex movement disorder of Kasabach-Merritt syndrome associated with a basal ganglia lesion. *Mov Disord.* 2012;27(4):591-3
60. S. Zittel, T. Baumer, N. Bruggemann, C. Gerloff, C. Klein and A. Munchau. Paroxysmal cervical myoclonus. *Mov Disord.* 2011;26(13):2445-6
61. S. Schiebler, A. Schmidt, S. Zittel, T. Baumer, C. Gerloff, C. Klein and A. Munchau. Arm tremor in cervical dystonia--is it a manifestation of dystonia or essential tremor? *Mov Disord.* 2011;26(10):1789-92
62. Leyboldt, M. A. Friese, J. Bohm and T. Baumer. Multiple enlarged nerves on neurosonography: an unusual paraneoplastic case. *Muscle Nerve.* 2011;43(5):756-8
63. Ganos, A. Munchau, T. Baumer, C. Gerloff and T. Magnus. Seventy years of episodic stiffness: an unusual case of neuromyotonia. *Mov Disord.* 2011;26(7):1360-1
64. J. Kroeger, T. Baumer, M. Jonas, J. C. Rothwell, H. R. Siebner and A. Munchau. Charting the excitability of premotor to motor connections while withholding or initiating a selected movement. *Eur J Neurosci.* 2010;32(10):1771-9
65. M. Jonas, G. Thomalla, K. Biermann-Ruben, H. R. Siebner, K. Muller-Vahl, T. Baumer, C. Gerloff, A. Schnitzler, M. Orth and A. Munchau. Imitation in patients with Gilles de la Tourette syndrome--a behavioral study. *Mov Disord.* 2010;25(8):991-9
66. S. Franzkowiak, B. Pollok, K. Biermann-Ruben, M. Sudmeyer, J. Paszek, M. Jonas, G. Thomalla, T. Baumer, M. Orth, A. Munchau and A. Schnitzler. Altered pattern of motor cortical activation-inhibition during voluntary movements in Tourette syndrome. *Mov Disord.* 2010;25(12):1960-6
67. T. Baumer, G. Thomalla, J. Kroeger, M. Jonas, C. Gerloff, F. C. Hummel, K. Muller-Vahl, A. Schnitzler, H. R. Siebner, M. Orth and A. Munchau. Interhemispheric motor networks are abnormal in patients with Gilles de la Tourette syndrome. *Mov Disord.* 2010;25(16):2828-37
68. Thomalla, H. R. Siebner, M. Jonas, T. Baumer, K. Biermann-Ruben, F. Hummel, C. Gerloff, K. Muller-Vahl, A. Schnitzler, M. Orth and A. Munchau. Structural changes in the somatosensory system correlate with tic severity in Gilles de la Tourette syndrome. *Brain.* 2009;132(Pt 3):765-77

69. R. Lencer, S. Steinlechner, J. Stahlberg, H. Rehling, M. Orth, T. Baeumer, H. J. Rumpf, C. Meyer, C. Klein, A. Munchau and J. Hagenah. Primary focal dystonia: evidence for distinct neuropsychiatric and personality profiles. *J Neurol Neurosurg Psychiatry*. 2009;80(10):1176-9
70. R. Bikmullina, T. Baumer, S. Zittel and A. Munchau. Sensory afferent inhibition within and between limbs in humans. *Clin Neurophysiol*. 2009;120(3):610-8
71. T. Baumer, S. Schippling, J. Kroeger, S. Zittel, G. Koch, G. Thomalla, J. C. Rothwell, H. R. Siebner, M. Orth and A. Munchau. Inhibitory and facilitatory connectivity from ventral premotor to primary motor cortex in healthy humans at rest--a bifocal TMS study. *Clin Neurophysiol*. 2009;120(9):1724-31
72. T. Baumer, U. Hidding, W. Hamel, C. Buhmann, C. K. Moll, C. Gerloff, M. Orth, H. R. Siebner and A. Munchau. Effects of DBS, premotor rTMS, and levodopa on motor function and silent period in advanced Parkinson's disease. *Mov Disord*. 2009;24(5):672-6
73. W. Lehmann, A. Ushmaev, A. Ruecker, J. Nuechtern, L. Grossterlinden, P. G. Begemann, T. Baeumer, J. M. Rueger and D. Briem. Comparison of open versus percutaneous pedicle screw insertion in a sheep model. *Eur Spine J*. 2008;17(6):857-63
74. Koch, S. Schneider, T. Baumer, M. Franca, A. Munchau, B. Cheeran, M. Fernandez del Olmo, C. Cordivari, E. Rounis, C. Caltagirone, K. Bhatia and J. C. Rothwell. Altered dorsal premotor-motor interhemispheric pathway activity in focal arm dystonia. *Mov Disord*. 2008;23(5):660-8
75. S. Kloppel, T. Baumer, J. Kroeger, M. A. Koch, C. Buchel, A. Munchau and H. R. Siebner. The cortical motor threshold reflects microstructural properties of cerebral white matter. *Neuroimage*. 2008;40(4):1782-91
76. K. Biermann-Ruben, K. Kessler, M. Jonas, H. R. Siebner, T. Baumer, A. Munchau and A. Schnitzler. Right hemisphere contributions to imitation tasks. *Eur J Neurosci*. 2008;27(7):1843-55
77. K. Biermann-Ruben, M. Jonas, K. Kessler, H. R. Siebner, T. Baumer, A. Schnitzler and A. Munchau. Observing repetitive finger movements modulates response times of auditorily cued finger movements. *Brain Cogn*. 2008;68(1):107-13
78. S. Zittel, T. Baumer and J. Liepert. Modulation of intracortical facilitatory circuits of the human primary motor cortex by digital nerve stimulation. *Exp Brain Res*. 2007;176(3):425-31
79. M. Orth, A. Djarmati, T. Baumer, S. Winkler, A. Grunewald, K. Lohmann-Hedrich, K. Kabakci, J. Hagenah, C. Klein and A. Munchau. Autosomal dominant myoclonus-dystonia and Tourette syndrome in a family without linkage to the SGCE gene. *Mov Disord*. 2007;22(14):2090-6
80. M. Jonas, H. R. Siebner, K. Biermann-Ruben, K. Kessler, T. Baumer, C. Buchel, A. Schnitzler and A. Munchau. Do simple intransitive finger movements consistently activate frontoparietal mirror neuron areas in humans? *Neuroimage*. 2007;36 Suppl 2:T44-53
81. M. Jonas, K. Biermann-Ruben, K. Kessler, R. Lange, T. Baumer, H. R. Siebner, A. Schnitzler and A. Munchau. Observation of a finger or an object movement primes imitative responses differentially. *Exp Brain Res*. 2007;177(2):255-65
82. T. Baumer, P. P. Pramstaller, H. R. Siebner, S. Schippling, J. Hagenah, M. Peller, C. Gerloff, C. Klein and A. Munchau. Sensorimotor integration is abnormal in asymptomatic Parkin mutation carriers: a TMS study. *Neurology*. 2007;69(21):1976-81
83. T. Baumer, C. Demiralay, U. Hidding, R. Bikmullina, R. C. Helmich, S. Wunderlich, J. Rothwell, J. Liepert, H. R. Siebner and A. Munchau. Abnormal plasticity of the sensorimotor cortex to slow repetitive transcranial magnetic stimulation in patients with writer's cramp. *Mov Disord*. 2007;22(1):81-90
84. T. Baumer, E. Dammann, F. Bock, S. Kloppel, H. R. Siebner and A. Munchau. Laterality of interhemispheric inhibition depends on handedness. *Exp Brain Res*. 2007;180(2):195-203
85. K. Kessler, K. Biermann-Ruben, M. Jonas, H. R. Siebner, T. Baumer, A. Munchau and A. Schnitzler. Investigating the human mirror neuron system by means of cortical synchronization during the imitation of biological movements. *Neuroimage*. 2006;33(1):227-38
86. U. Hidding, T. Baumer, H. R. Siebner, C. Demiralay, C. Buhmann, T. Weyh, C. Moll, W. Hamel and A. Munchau. MEP latency shift after implantation of deep brain stimulation systems in the subthalamic nucleus in patients with advanced Parkinson's disease. *Mov Disord*. 2006;21(9):1471-6
87. T. Baumer, F. Bock, G. Koch, R. Lange, J. C. Rothwell, H. R. Siebner and A. Munchau. Magnetic stimulation of human premotor or motor cortex produces interhemispheric facilitation through distinct pathways. *J Physiol*. 2006;572(Pt 3):857-68

88. J. Liepert, D. Mingers, C. Heesen, T. Baumer and C. Weiller. Motor cortex excitability and fatigue in multiple sclerosis: a transcranial magnetic stimulation study. *Mult Scler.* 2005;11(3):316-21
89. J. Lewerenz, B. Zurowski, L. Jenicke, T. Baumer, A. J. Lees and A. Munchau. Lesion of the dorsorostral midbrain sparing the nigrostriatal tract mimics axial rigidity seen in progressive supranuclear palsy. *Mov Disord.* 2005;20(8):1071-5
90. R. C. Helmich, T. Baumer, H. R. Siebner, B. R. Bloem and A. Munchau. Hemispheric asymmetry and somatotopy of afferent inhibition in healthy humans. *Exp Brain Res.* 2005;167(2):211-9
91. J. Liepert, T. Kucinski, O. Tuscher, F. Pawlas, T. Baumer and C. Weiller. Motor cortex excitability after cerebellar infarction. *Stroke.* 2004;35(11):2484-8
92. Buhmann, A. Gorsler, T. Baumer, U. Hidding, C. Demiralay, K. Hinkelmann, C. Weiller, H. R. Siebner and A. Munchau. Abnormal excitability of premotor-motor connections in de novo Parkinson's disease. *Brain.* 2004;127(Pt 12):2732-46
93. J. Stuerenburg, K. Petersen, C. Buhmann, M. Rosenkranz, T. Baeumer and R. Thomasius. Plasma amino acids in ecstasy users. *Neuro Endocrinol Lett.* 2003;24(5):348-9
94. Gorsler, T. Baumer, C. Weiller, A. Munchau and J. Liepert. Interhemispheric effects of high and low frequency rTMS in healthy humans. *Clin Neurophysiol.* 2003;114(10):1800-7
95. T. Baumer, R. Lange, J. Liepert, C. Weiller, H. R. Siebner, J. C. Rothwell and A. Munchau. Repeated premotor rTMS leads to cumulative plastic changes of motor cortex excitability in humans. *Neuroimage.* 2003;20(1):550-60
96. J. Stuerenburg, K. Petersen, T. Baumer, M. Rosenkranz, C. Buhmann and R. Thomasius. Plasma concentrations of 5-HT, 5-HIAA, norepinephrine, epinephrine and dopamine in ecstasy users. *Neuro Endocrinol Lett.* 2002;23(3):259-61
97. T. Baumer, A. Munchau, C. Weiller and J. Liepert. Fatigue suppresses ipsilateral intracortical facilitation. *Exp Brain Res.* 2002;146(4):467-73
98. Claassen, T. Baeumer and H. C. Hansen. [Continuous EEG for monitoring on the neurological intensive care unit. New applications and uses for therapeutic decision making]. *Nervenarzt.* 2000;71(10):813-21
99. K. Mellies, T. Baumer, J. A. Muller, E. Tournier-Lasserre, H. Chabriat, O. Knobloch, H. J. Hackeloer, H. H. Goebel, L. Wetzig and P. Haller. SPECT study of a German CADASIL family: a phenotype with migraine and progressive dementia only. *Neurology.* 1998;50(6):1715-21