
Curriculum vitae

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Date of birth: 30th October 1966
Languages: English (fluent)
German (broken)

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RESEARCH EXPERIENCE

06/2000 – 11/2002	Research Fellow at Motor Cortex Lab, Dept Neurology, J.W.Goethe University Frankfurt/Main, Germany (Prof. dr med. Ulf Ziemann)
08/2003 – 12/2003	Visiting Research Fellow Dept Neurology, Christian-Albrechts University of Kiel, Germany (Head: prof. dr med. Günther Deuschl)
2003 – ongoing	Group Leader of research in clinical neurophysiology and non-invasive brain stimulation, Neurology and Psychiatry MMA

TRAINING AND PROFESSIONAL APPOINTMENTS

12/1992 - 12/1997	Resident Neurologist at Department of Neurology at Military Medical Academy, Belgrade, Serbia
06/2000 – 11/2002	Research Fellow at Motor Cortex Lab, Dept Neurology, J.W.Goethe University Frankfurt/Main, Germany (Prof. dr med. Ulf Ziemann)
05/2003	EFNS Academy for Young Neurologist, Stare Splavy, Czech Republic
01/2006	Head of the Department of Clinical Neurophysiology, Clinic of Neurology, Military Medical Academy, Belgrade, Serbia
2012	Visiting Professor - Neurologischen Klinik Julius Maximillian Universitat Wurzburg, Germany
2016	Visiting Professor - <i>Leibnitz – Institut fur Arbeitsforschung an der TU Dortmund (Psychologie und Neurowissenschaften)</i> , Germany

CURRENT APPOINTMENT

2004 – 2011	Member of Scientific and Educational Committee, Military Medical Academy (MMA) Member of Basic and Clinical Research Committee, MMA, Belgrade, Serbia
2010	Full Professorship Medical Faculty of MMA (Clinical Neurology and Neurophysiology), Belgrade, Serbia
2010 – ongoing	Vice Dean for Research and External Relations Medical Faculty of MMA Belgrade, Serbia
2011 – ongoing	<i>Chairman of the Committee for Scientific Research</i> , Medical Faculty of MMA University of Defence, Belgrade, Serbia
2012 – ongoing	<i>Member of Forensic Medical Board MMA</i>
2012 – ongoing	Lead Faculty of PhD Program in Neuroscience, Medical Faculty of MMA

SCHOLARSHIPS AND AWARDS:

06/1999	Annual Award of Neurological Section of Serbian Medical Association for Young Neurologist (professional activities)
07/2000- 10/2002	Alexander v. Humboldt fellowship , Clinic of Neurology, J.W.Goethe University Frankfurt/Main, Germany (Prof. dr. med Ulf Ziemann; Prof. dr. med H. Steinmetz)
01/09 – 01/12 2003	Fellowship of EFNS, Department-to-Department Cooperation' Programe , Clinic of Neurology, Christian-Albrechts-Universität, Kiel, Germany (Prof. G. Deuschl)

RESEARCH TOPICS:

motor cortex physiology - transcranial magnetic stimulation – brain plasticity
clinical neurophysiology - brainstem reflexes - multimodal evoked potentials
movement disorders - Parkinson's disease - clinical neurophysiology - depression

MEMBERSHIP

1992	<i>Serbian Medical Society</i>
1999	<i>Association of Serbian Neurologists</i>
1997	<i>Serbian Society of Clinical Neurophysiology / president (since 2012)</i>
1997	<i>International Federation of Clinical Neurophysiology - IFCN</i>
2003	<i>European Federation of Neurological Societies – EFNS</i>
2004	<i>Movement Disorders Society /MDS - Scientific Issues Committee Member of the Movement Disorders Society (since 2011)</i>
2004	<i>Association of Clinical Research Professionals</i>
2006	<i>Serbian Physiological Society</i>
2012	<i>American Academy of Neurology</i>
2012	<i>Serbian Association of the Peripheral Nervous System (President of Scientific Board)</i>
2012	<i>Serbian Society of Neuroscience</i>

SCIENTIFIC PROJECTS

1. **"Modulation of motor cortex excitability during intoxication with CNS-active drugs"**
Alexander von Humboldt Foundation, program *Return Fellowships for Alexander von Humboldt Research Fellows in Central and Eastern Europe*, Bonn, Germany, May 2003 – June 2004
2. **„Neuromodulation von Erregbarkeit, Plastizität und Lernen im Motorkortex des Menschen“**,
"Neuromodulation of human motor cortex excitability, plasticity and learning" Deutsche Forschung Gemeinschaft, 01.02.2001-31.01.2003, Clinic of Neurology, J.W. Goethe University, Frankfurt/M, Germany (Prof. dr med. Ulf Ziemann)
3. **"Modulation of motor cortex excitability after high-frequent repetitive TMS"** Deutsche Forschung Gemeinschaft 2003, Clinic of Neurology, Christian-Albrechts University, Kiel, Germany (Prof. dr med. Hartwig R. Siebner)
4. **"Basal ganglia dysfunction and central fatigue"** Ministry of science Republic of Serbia (No.# 1737) 2003-2004, Institute for medical research, Belgrade
5. **"Mechanism of autoimmune neuropathies"**. Ministry of science Republic of Serbia 2006-2010, School of Medicine Belgrade University.
6. **"Cortical excitability and plasticity in healthy human subjects"**. Ministry of science Republic of Serbia 2006-2010, Institute for medical research, Belgrade
7. **"Cortical reorganization of motor functions after chronic lesions of central nervous system – models of brain injury, ischaemic stroke and multiple sclerosis."** Military Medical Academy, Belgrade, Serbia (No.# VMA/06-08/B.18), 2006 –2008

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8. **"Cellular and molecular basis of neuroinflammation: a potential target of the therapy and translational medicine"**. Faculty of Biology, University of Belgrade, the Ministry of Science of Serbia (No. # 41014) 2011 -2014.
 9. **"Modulation of adaptive plasticity using non-invasive brain stimulation"**. Medical Faculty of MMA, University of Defence, the Ministry of Defense of Republic of Serbia (No. # MFVMA/12/13-15), 2013 -2015.
 10. **Studies in Bioengineering and Medical Informatics - BioEMIS, 530423-TEMPUS-1-2012-1-UK-TEMPUS-JPCR**

AD HOC JOURNAL REVIEWER

> 150 reviewed articles

Brain (Oxford University Press), Clinical Neurophysiology(Elsevier Science Ireland Ltd), Movement Disorders (Wiley Publ. Ltd), Experimental Brain Research (Springer), Journal of Neurological Sciences (Elsevier Science Ireland Ltd), Neurorehabilitation and Neural Repair (Sage Publications), Brain Stimulation (Elsevier Science Ireland Ltd), Medical Hypothesis (Elsevier Science Ireland Ltd), J Neurophysiology (American Physiological Society), Open Neuroimaging Journal(Bentham Science Open), Medicine & Science in Sports & Exercise, BMC Psychology, Periodicum Biologorum (Croatia), Collegium Antophologicum (Croatia), Serbian Journal of Experimental and Clinical Research (Serbia), Serbian Medical Archive (Assistant Editor 2006-09.), Military Medical and Pharmaceutical Review – Vojnosanitetski preglod (MMA), Facta Universitatis (University Nis, Serbia)

The committee for the allocation of prizes of the "Academic Radoslav K. Anđus"(2006, 2010, 2012

Ad hoc reviewer of research projects (field: neuroscience) Ministry of Education and Science R. Serbia

Ad hoc reviewer of research projects - Czech Science Foundation

Ad hoc reviewer of research projects Wellcome Trust Foundation UK

SELECTED PUBLICATIONS

1. **Ilic T**, Jovanovic M, Jovicic A, Tomovic M. *Indices of Oxidative Stress in the Peripheral Blood of De Novo Patients with Parkinson's Disease. In: Progress in Alzheimer's and Parkinson's Disease. Eds: A. Fisher, I.Hanin and M.Yoshida. Plenum Press, New York.1999, pp 779-787. ISBN 0306459035*
2. **Ilic TV**, Deuschl G. *Spinal and long-latency reflexes. In: Clinical Neurophysiology of Motor Neuron Disease. Handbook of Clinical Neurophysiology. Volume 4, Ed.: A. Eisen. Elsevier Ltd, 2004; pp. 337-348. ISBN-0444513590.*
3. *Ziemann U, **Ilic TV**, Jung P. LTP-like plasticity and learning in human motor cortex – investigations with TMS Elsevier, Supplements to Clinical Neurophysiology, 2006 Vol. 59, Barber et al. (eds.) pp. 19-25.*
4. **Ilic TV**, Meintzschel F, Cleff U, Ruge D, Kessler K, Ziemann U. *Short-interval paired-pulse inhibition and facilitation of human motor cortex: The dimension of stimulus intensity. J Physiol (London) 2002 Nov 15; 545(Pt 1):153-67. (cited in faculty 1000)(century citation club)*
5. **Ilic TV**, Korchuonov A, Ziemann U. *Methylphenydate increases motor cortex excitability in intact humans. Neuroreport, 2003 Neuroreport 14:773-776.*
6. **Ilic TV**, Korchuonov A, Ziemann U. *Complex modulation of human motor cortex excitability by the specific serotonin re-uptake inhibitor sertraline. Neurosci Lett 2002; 319: 116-120.*
7. *Korchuonov A, **Ilic TV**, Ziemann U. The alpha2-adrenergic agonist guanfacine reduces excitability of human motor cortex through disfacilitation and increase of inhibition. Clin Neurophysiol 2003; 114: 1834-1840*

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8. **Ilic TV**, Young P, Ziemann U. Subtle hemispheric asymmetry of motor cortical inhibitory tone. **Clin Neurophysiol** 2004; 115: 330-340.
 9. Ziemann U, **Ilic TV**, Pauli C., Meintzschel F., and Ruge D. Learning Modifies Subsequent Induction of Long-Term Potentiation-Like and Long-Term Depression-Like Plasticity in Human Motor Cortex. **J Neurosci** 2004; 24: 1666-1672. (cited in faculty 1000)(century citation club)
 10. Ziemann U, **Ilic TV**, Alle H, Meintzschel F. Cortico-motoneuronal excitability to three hand muscles tested by a novel penta-stimulation technique. **Brain**. 2004 Aug;127(Pt 8):1887-98.
 11. Ziemann U, **Ilic TV**, Alle H, Meintzschel F. Estimated magnitude and interactions of cortico-motoneuronal and Ia afferent input to spinal motoneurons of the human hand. **Neurosci Lett** 2004; 364: 48-52
- Marson A, Jacoby A, Johnson A, Kim L, Gamble C, Chadwick D; Medical Research Council_MESS Study Group (- - **Ilic TV** - -). Immediate versus deferred antiepileptic drug treatment for early epilepsy and single seizures: a randomised controlled trial. **Lancet** 2005;365(9476):2007-2013.
12. **Ilic TV**, Ziemann U. Exploring motor cortical plasticity using transcranial magnetic stimulation in humans. *Ann. N.Y. Acad. Sci.* 2005; 1048: 1–10.
 13. Korchounov A, **Ilic TV**, Schwinge T and Ziemann U. Modification of motor cortical excitability by an acetylcholine-esterase inhibitor. **Exp Brain Res**, 2005 Jul;164(3):399-405.
 14. Kessler KR, Ruge D, **Ilic TV**, Ziemann U. Short-latency afferent inhibition in patients with writer's cramp. **Mov Disord** 2005; 20 (2): 238-242.
 15. **Ilic TV**, Pötter M, Holler I, Deuschl G, Volkmann J. Praying-induced dystonia. **Mov Disord** 2005; 20 (3): 385-387.
 16. Ziemann U, Meintzschel F, Korchounov A, **Ilic TV**. Pharmacological modulation of plasticity in human motor cortex, *Neurorehabilitation and Neural Repair*, 2006; 20:243–251.
 17. Korchounov A, **Ilic TV** and Ziemann U. TMS-assisted neurophysiological profiling of the dopamine receptor agonist cabergoline in human motor cortex. **J Neural Transm.** 2007 Feb;114(2):223-9.
 18. Pötter-Nerger M, **Ilic TV**, Siebner HR, Deuschl G, Volkmann J. Subthalamic nucleus stimulation restores corticospinal facilitation in Parkinson's disease. **Mov Disord** 2008 Nov 15;23(15):2210-5.
 19. Milanovic S, Filipovic SR, Blesic S, **Ilic TV**, Dhanasekaran S, Ljubisavljevic MR. Paired-associative stimulation can modulate muscle fatigue induced motor cortex excitability changes. **Behavioural Brain Research** 2011; 223 (1), 30-35.
 20. Ostojic Z, **Ilic TV**, Veskovic S, Andjur PR. GABAB receptors as a common target for hypothermia and spike and wave seizures: overlapping mechanisms of thermoregulation and absence epilepsy. **Neuroscience** 2013 15;238:39-58.
 21. Krstic J, Buzadzic I, Milanovic SD, Ilic NV, Pajic S, **Ilic TV**. Low-frequency, repetitive transcranial magnetic stimulation in the right prefrontal cortex combined with partial sleep deprivation in treatment-resistant depression - a randomized, sham-controlled trial. **J ECT** 2014 Dec;30(4):325-31. doi: 10.1097/YCT.0000000000000099.
 22. Otal B, Dutta A, Foerster Á, Ripolles O, Kuceyeski A, Miranda PC, Edwards DJ, **Ilic TV**, Nitsche MA, Ruffini G. Opportunities for Guided Multichannel Non-invasive Transcranial Current Stimulation in Poststroke Rehabilitation. *Front Neurol.* 2016 Feb 24;7:21.
 23. Jovicic A, Petkovic S, Ivanisevic V, Maric D, **Ilic T**. [The electrophysiological diagnosis of carpal tunnel syndrome]. *Zh.Nevropatol.Psikhiatr.Im S.S.Korsakova* 96 (4):67-70, 1996.
 24. **Ilic T**, Jovanovic M, Jovicic A, Tomovic M. Oxidative stress indicators are elevated in de novo Parkinson's disease patients. *Funct Neurol* 1999; 14: 141-7.
 25. Cukic M, Kalauzi A, Miskovic M, **Ilic TV**, Ljubisavljevic M. The influence of coil-skull distance on transcranial magnetic stimulation motor evoked responses. **Exp Brain Res**. 2009 Jan;192(1):53-60.
 26. Ilic NV, Sajić J, Mišković M, Krstić J, Milanović S, Vesovic-Potic V, Ljubisavljevic M, **Ilic TV**. The Efficacy of Two Protocols For Inducing Motor Cortex Plasticity in Healthy Humans – TMS study. **Gen Physiol Biophys** 2009, Special Issue, 28, 228–234.
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27. Ilić NV, Milanović S, Krstić J, Bajec ĐD, Grajić M, **Ilić TV**. Homeostatic modulation of stimulation-dependent plasticity in human motor cortex. *Physiol. Res.* 60 (Suppl. 1): S107-S112, 2011.
 28. **Ilić TV**, Pötter-Nerger M, Holler I, Siebner HR, Ilic NV, Deuschl G, Volkmann J. Startle stimuli exert opposite effects on human cortical and spinal motor system excitability in leg muscles. *Physiol. Res.* 60 (Suppl. 1): S101-S106, 2011.
 29. **Ilić TV**, Stanković S, Ilić NV, Kostić SV, Đajić V, Dominović-Kovačević A. Neurophysiological evaluation of patients with degenerative diseases of the cervical spine [Neurofiziološka evaluacija pacijenata sa degenerativnim oboljenjima cervikalne kičme.] *Vojnosanitet Pregl* 2011; 68(3) : 241-7. Serbian
 30. Jauković Lj, **Ilić TV** Dopuđa M Ajdinović B. 123I-FP-CIT brain SPECT (DaTSCAN) imaging in the diagnosis of patients with movement disorders - first results. [SPECT scintigrafija mozga korišćenjem 123I-FP-CIT (DaTSCAN) u dijagnostici bolesnika sa poremećajem pokreta – prvi rezultati.] *Vojnosanitet Pregl* 2012; 69(2): 157-62.
 31. Ilić NV, Petronić I, Grajić M, **Ilić TV**. Effects of diazepam and levodopa single doses on motor cortex plasticity modulation in healthy human subjects: a TMS study. [Efekti pojedinačnih doza diazepama i levodope na modulaciju plasticiteta motornog korteksa kod zdravih osoba - TMS studija]. *Srp Arh Celok Lek.* 2012 Jan-Feb;140(1-2):14-21. Serbian
 32. **Ilić TV**. Myths about stroke - on the road to change [Editorial]. *Vojnosanitet Pregl* 2012; 69 (10): 69: 831-2.
 33. **Ilić TV**, Ilić NV. Plastic reorganisation of human motor cortex [Plastična reorganizacija motornog korteksa kod ljudi]. *Vojnosanitet Pregl* 2012; 69: 891-8.
 34. Vučinić S, Antonijević B, Ilić N, **Ilić TV**. Oxime and atropine failure to prevent intermediate syndrome development in acute organophosphate poisoning. *Vojnosanitetki pregled* 2013 Apr;70(4):420-3.
 35. Krstić J, **Ilić TV**. Repetitive transcranial magnetic stimulation in bipolar depression: another puzzle of manic switch ? *Vojnosanitetki pregled* 2013 70(6):595-9.
 36. Krstić J , **Ilić TV**. Switch to hypomania induced by repetitive transcranial magnetic stimulation and partial sleep deprivation added to antidepressant: a case report. *Vojnosanitetki pregled* 2014 Feb;71(2):207-10.
 37. Basta I, Nikolić A, Apostolski S, Lavrnić S, Stošić-Opinčal T, Banjalić S, Knežević-Apostolski S, **Ilić TV**, Marjanović I, Milićev D, Lavrnić D. Diagnostic value of combined MRI examination of brachial plexus and electrophysiological studies in multifocal motor neuropathy. *Vojnosanitetki pregled* 2014;71(8):723-729
 38. **Ilić TV**. Cognitive maps discovery--far-reaching implications for contemporary neuroscience. *Vojnosanitet Pregl.* 2014 Nov;71(11):995-6. PubMed PMID: 25536800.