

Základní údaje o školiteli doktorského studia v biomedicině na 3. LF UK

Oborová rada:	Neurovědy		
Příjmení, jméno, tituly:	Höschl Cyril, Prof. MUDr. DrSc. FRCPsych.		
Adresa pracoviště:	Topolová 748, 250 67 Klecany		
Telefon:	283088409		
E-mail:	Cyril.hoschl@nudz.cz		
Odborné zaměření: (maxim. 254 znaků)	Psychiatrie		
Výzkumné zaměření: (maxim. 254 znaků)	Neurobiologie schizofrenie, bipolární porucha, psychofarmakologie, predikce terapeutické účinnosti,		
Jména doktorandů, kteří ukončili úspěšně studium pod vedením školitele:	Jméno	Rok obhajoby	Název doktorské práce
	1. Pavel Mohr	2001	Prediction of Treatment Response to Neuroleptic Treatment in Schizophrenia
	2. Jiří Horáček	2001	Centrální serotoninergní aktivita jako funkce citlivosti k inzulinu
	3. Tomáš Hájek	2002	Etiologické faktory v psychiatrii
	4. Filip Španiel	2005	Zobrazovací metody na bázi magnetické rezonance u schizofrenního onemocnění
	5. Lucie Závěšická	2009	Chronická nespavost a význam kognitivně behaviorální terapie v její léčbě
	6. Tomáš Páleníček	2009	Dopaminergní a serotoninergní neurotransmise v animálním modelu schizofrenie
	7. Tomáš Páleníček	2009	Dopaminergní a serotoninergní neurotransmise v animálním modelu schizofrenie
	8. Martina Růžičková	2012	Bipolar disorders and diabetes mellitus
	9. Petr Šoš	2013	Měření, sledování a vyhodnocení nových neurofyziologických indikátorů u vybraných psychiatrických onemocnění
Témata doktorských prací pro akademický rok 2014/2015:	1. Biologická psychiatrie 2. 3.		
Klinický kontext: (pro uchazeče o kombinovaný klinický výcvik)	Obory chirurgické:		
	Obory vnitřního lékařství:		
	Obory preventivní:		
	Obory další:	psychiatrie	
Kontext programů rozvoje UK (PRVOUK)	<input type="checkbox"/> P02 - Environmentální výzkum <input type="checkbox"/> P27 - Komplexní onkologický program <input type="checkbox"/> P28 - Stomatologická onemocnění, výskyt, mechanismy, prevence, léčba, interakce <input type="checkbox"/> P31 - Iničiální stadia diabetes mellitus, metabolických a nutričních poruch <input type="checkbox"/> P32 - Poruchy reprodukčního zdraví a zdravého startu do života <input type="checkbox"/> P33 - Komplexní poranění a funkční poruchy páteře, pánve, končetin a synkopicky blízkých orgánů a struktur (morfologie, biomechanika, diagnostika a léčba) <input checked="" type="checkbox"/> P34 - Psychoneurofarmakologický výzkum <input type="checkbox"/> P35 - Kardiovaskulární výzkumný program <input type="checkbox"/> P38 - Biologické aspekty zkoumání lidského pohybu X Další (specifikovat): Neurovědy		
Seznam publikací v časopisech s IF za posledních 5 let :			

1. Hajek T, Novak T, Kopecek M, Gunde E, Alda M, **Höschl C**. Subgenual cingulate volumes in offspring of bipolar parents and in sporadic bipolar patients. *Eur Arch Psychiatry Clin Neurosci* (2010) 260:297–304
2. Höschl C. European psychiatry: needs, challenges and structures. *Eur Arch Psychiatry Clin Neurosci* (2009) 259 (Suppl 2):S119-S122.
3. Horáček J, Španiel F, Novák T, Brunovský M, Minárik M, Mohr P, Páleníček T, Bubeníková-Valešová V, Vrajová M, **Höschl C**. The influence of polymorphism for gene RGS4 (Regulator of G-protein signaling 4) on regional brain metabolism (18FDG PET) and phenotypic variables in schizophrenia. *Psychiatrie*, 13, 2009; S3:141-145.
4. Horacek J, Brunovsky M, Novak T, Tislerova B, Palenicek T, Bubenikova-Valesova V, Spaniel F, Koprivova J, Mohr P, Balikova M and **Höschl C**. Subanesthetic dose of ketamine decreases prefrontal theta cordance in healthy volunteers: implications for antidepressant effect. *Psychological Medicine* (2010), 40: 1443-1451
5. Vrajová M, Šťastný F, Horáček J, Lochman J, Šerý O, Peková S, Klaschka J, **Höschl C**: Expression of the Hippocampal NMDA Receptor GluN1 Subunit and Its Splicing Isoforms in Schizophrenia: Postmortem Study. *Neurochem Res*. 2010; 35:994–1002
6. Bares M, Brunovsky M, Novak T, Kopecek M, Stopkova P, Sos P, Krajca V, **Höschl C**. The change of prefrontal QEEG theta cordance as a predictor of response to bupropion treatment in patients who had failed to respond to previous antidepressant treatments. *Eur Neuropsychopharmacol*. (2010) 20: 459–466.
7. Gunde E, Novak T, Kopecek M, Schmidt M, Propper L, Stopkova P, **Höschl C**, Duffy A, Alda M, Hajek T. White matter hyperintensities in affected and unaffected late teenage and early adulthood offspring of bipolar parents: A two-center high-risk study. *J Psychiatr Res*. 2011 Jan;45(1):76-82
8. Bares M, Novak T, Kopecek M, Stopkova P, **Höschl C**. Antidepressant monotherapy and combination of antidepressants in the treatment of resistant depression in current clinical practice: A retrospective study. *Int J Psych Clin Pract*, 14, 2010; 4:303-308
9. Páleníček T, Balíková M, Rohanová M, Novák T, Horáček J, Fujáková M, **Höschl C**. Behavioral, hyperthermic and pharmacokinetic profile of para-methoxymethamphetamine (PMMA) in rats. *Pharmacol Biochem Behav* 98, 2011: 130-139
10. Horacek J, Preiss M, Tintera J, Laing H, Kopecek M, Spaniel F, Brunovsky M, **Höschl C**. A Functional Magnetic Resonance Imaging Study of the Cognitive Estimation. *Act Nerv Super Rediviva* 2010; 52(3): 187–192
11. Fears R, **Höschl C**. Mental health policy issues: the view from FEAM. *Eur Psychiatry* 2011, vol 26, issue 1, pp.III-VI
12. Spaniel F, Horáček J, Tintěra J, Ibrahim I, Novák T, Cermák J, Klírová M, **Höschl C**. Genetic variation in FOXP2 alters grey matter concentrations in schizophrenia patients. *Neuroscience Letters* 493 (2011) 131–135
13. Koprivová J, Congedo M, Horáček J, Praško J, Raszka M, Brunovský M, Kohútová B, **Höschl C**. EEG source analysis in obsessive-compulsive disorder. *Clin Neurophysiol*. 2011 Sep;122(9):1735-43.
14. Páleníček T, Fujáková M, Brunovský M, Balíková M, Horáček J, Gorman I, Tylš F, Tišlerová B, Soš P, Bubeníková-Valešová V, **Höschl C**, Krajča V. Electroencephalographic Spectral and Coherence Analysis of Ketamine in Rats: Correlation with Behavioral Effects and Pharmacokinetics. *Neuropsychobiology*. 2011 Mar 22;63(4):202-218
15. Horáček J, Flegr J, Tintěra J, Verebova K, Španiel F, Novák T, Brunovský M, Bubeníková-Valešová V, Holub D, Páleníček T, **Höschl C**. Latent toxoplasmosis reduces gray matter density in schizophrenia but not in controls: Voxel-based-morphometry (VBM) study. *World J Biol Psychiatry*. 2012 Oct;13(7):501-9. Epub 2011 May 23.
16. Hájek T, Kopeček M, **Höschl C**. Reduced hippocampal volumes in healthy carriers of brain-derived neurotrophic factor Val66Met polymorphism: Meta-analysis. *World J Biol Psychiatry*. 2012 Mar;13(3):178-87.
17. Fears R, **Höschl C**. European mental health policy: opportunities for science and innovation, challenges for implementation. *The European Journal of Public Health* 2011; doi: 10.1093/eurpub/ckr075
18. Horacek J, Tejkalova H, Novak T, Bubenikova-Valesova V, Palenicek T, Rambousek L, Ruzickova S, Vaculin S, **Höschl C**. The influence of a subanaesthetic dose of ketamine on circulating pro-inflammatory cytokines and serotonin in brain reply. *Psychological Medicine* (2011), 41: 1787-1789.
19. Vrajová M, Peková S, Horáček J, **Höschl C**. The effects of siRNA-mediated RGS4 gene silencing on the whole genome transcription profile: implications for schizophrenia. *Neuroendocrinol Lett* 2011; 32(3):246–252
20. Bares M, Novak T, Brunovsky M, Kopecek M, Stopkova P, Krajca V, **Höschl C**. The change of QEEG prefrontal cordance as a response predictor to antidepressive intervention in bipolar depression. A pilot study, *Journal of Psychiatric Research* 46 (2011):219-225
21. Bares M, Novak T, Kopecek M, Stopkova P, Kozeny J, **Höschl C**. The early improvement of depressive symptoms as a potential predictor of response to antidepressants in depressive patients who failed to respond to previous antidepressant treatments. Analysis of naturalistic data. *Eur Psychiatry* 27, 2012;7:522-527
22. Baghai T, Blier P, Baldwin DS, Bauer M, Goodwin G, Fountoulakis K, Kasper S, Leonard BE, Malt U, Stein D, et al. Executive summary of the report by the WPA section on pharmacopsychiatry on general and comparative efficacy and effectiveness of antidepressants in the acute treatment of depressive disorders. *Eur Arch Psychiatry Clin Neurosci*, 2012;262,1:13-22
23. **Höschl C**, Fialová L. European Psychiatric Association guidance on the conflicts of interest. *European Psychiatry* 27 (2012): 142–146.
24. Baghai TC. et al. General and comparative efficacy and effectiveness of antidepressants in the acute treatment of

- depressive disorders: a report by the WPA section of pharmacopsychiatry. *Eur Arch Psychiatry Clin Neurosci*. 2011 Nov; 261 Suppl 3:207-45.
25. Möller HJ, Bitter I, Bobes J, Fountoulakis K, **Höschl C**, Kasper S. Position statement of the European Psychiatric Association (EPA) on the value of antidepressants in the treatment of unipolar depression. *Eur Psychiatry*, 2012 Feb;27(2):114-28.
 26. Bares M, Novak T, Kopecek M, Stopkova P, Cermak J, Kozeny J, **Höschl C**. Antidepressant combinations and monotherapy in the treatment of resistant depression: a randomised, open-label study. *Int J Psychiatry Clin Pract*, 2013; 17: 35-43
 27. Hajek T, Kopecek M, **Höschl C**, Alda M. Smaller hippocampal volumes in patients with bipolar disorder are masked by exposure to lithium: a meta-analysis. *J Psychiatry Neurosci*, 37; 2012, 3:1-11.
 28. Mohr P, **Höschl C**, Volavka J. Teaching critical appraisal of articles on psychopharmacology. *Acad Psychiatry*. 2012 Mar 1;36(2):114-7.
 29. Hajek T, Cullis J, Novak T, Kopecek M, **Höschl C**, Blagdon R, O'Donovan C, Bauer M, Young LT, Macqueen G, Alda M. Hippocampal volumes in bipolar disorders: opposing effects of illness burden and lithium treatment. *Bipolar Disord*. 2012 May;14(3):261-270.
 30. Páleníček T, Fujáková M, Brunovský M, Horáček J, Gorman I, Balíková M, Rambousek L, Syslová K, Kačer P, Zach P, Bubeníková-Valešová V, Tylš F, Kubešová A, Puskarčíková J, **Höschl C**. Behavioral, neurochemical and pharmaco-EEG profiles of the psychedelic drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in rats. *Psychopharmacology (Berl)*. 2013; 225(1):75-93
 31. Spaniel F, Hrdlička J, Novák T, Kožený J, **Höschl C**, Mohr P, Motlová LB. Effectiveness of the Information Technology-Aided Program of Relapse Prevention in Schizophrenia (ITAREPS): A Randomized, Controlled, Double-Blind Study. *J Psychiatr Pract*. 2012 Jul;18(4):269-80.
 32. **Höschl C**, Winkler P, Pěč O. The state of psychiatry in the Czech Republic. *Int Rev Psychiatry*. 2012 Aug;24(4):278-85.
 33. Klírova M, Horacek J, Novak T, Cermak J, Spaniel F, Skrdlantova L, Mohr P, **Höschl C**. Individualized rTMS neuronavigated according to regional brain metabolism ([18]FDG PET) has better treatment effects on auditory hallucinations than standard positioning of rTMS: a double-blind, sham-controlled study. *Eur Arch Psychiatry Clin Neurosci*. 2013, 263; 6: 475-484
 34. Holub D, Flegr J, Dragomirecká E, Rodriguez M, Preiss M, Novák T, Čermák J, Horáček J, Kodým P, Libiger J, **Höschl C**, Motlová LB. Differences in onset of disease and severity of psychopathology between toxoplasmosis-related and toxoplasmosis-unrelated schizophrenia. *Acta Psychiatr Scand*. 2012 Nov 5. doi: 10.1111/acps.12031. [Epub ahead of print]
 35. Hajek T, Cullis J, Novak T, Kopecek M, Blagdon R, Propper L, Stopkova P, Duffy A, **Höschl C**, Uher R, Paus T, Young LT, Alda M. Brain structural signature of familial predisposition for bipolar disorder: replicable evidence for involvement of the right inferior frontal gyrus. *Biol Psychiatry*. 2013 Jan 15;73(2):144-152
 36. Hajek T, Kopecek M, Alda M, Uher R, **Höschl C**. Why negative meta-analyses may be false? *Eur Neuropsychopharmacol*. (2013) 23, 1307–1309.
 37. Fountoulakis KN, **Höschl C**, Kasper S, Lopez-Ibor J, Möller HJ. The media and intellectuals' response to medical publications: the antidepressants' case. *Ann Gen Psychiatry*. 2013 Apr 12;12(1):11.
 38. World Federation of Societies of Biological Psychiatry. Task Force on Unipolar Depressive Disorders. World Federation of Societies of Biological Psychiatry (WFSBP) guidelines for biological treatment of unipolar depressive disorders, part 1: update 2013 on the acute and continuation treatment of unipolar depressive disorders. *World J Biol Psychiatry*. 2013 Jul;14(5):334-85. doi: 10.3109/15622975.20
 39. Kožený J., Tišanská L., **Höschl C.**: Assessing empathy among Czech medical students: a cross-sectional study. *Československá psychologie*, 57; 2013, 3:246-254.
 40. Bares M, Brunovsky M, Novak T, Kopecek M, Stopkova P, Sos P, **Höschl C**. QEEG Theta Cordance in the Prediction of Treatment Outcome to Prefrontal Repetitive Transcranial Magnetic Stimulation or Venlafaxine ER in Patients With Major Depressive Disorder. *Clinical EEG and Neuroscience*, 2015, Vol. 46(2): 73–80
 41. Brunovský M, Horáček J, Nová T, Klířová M, Kohútová B, Krajča V, **Höschl C**. Modulating cortical connectivity in schizophrenic patients with auditory hallucinations by rTMS assessed with exact low-resolution brain tomography (eLORETA). *Clinical Neurophysiology*, 125,2014;5:e39–e40
 42. Stein DJ, Ahokas A, Márquez MS, **Höschl C**, Oh KS, Jarema M, Avedisova AS, Albarran C, Olivier V. Agomelatine in generalized anxiety disorder: an active comparator and placebo-controlled study. *J Clin Psychiatry*. 2014 Apr;75(4):362-368. ISSN 0160-6689.
 43. Bares M, Novak T, Kopecek M, Brunovsky M, Stopkova P, **Höschl C**. The effectiveness of prefrontal theta cordance and early reduction of depressive symptoms in the prediction of antidepressant treatment outcome in patients with resistant depression: analysis of naturalistic data. *Eur Arch Psychiatry Clin Neurosci* (2015) 265:73–82
 44. Fountoulakis KN, Kawohl W, Theodorakis PN, Kerkhof AJFM, Navickas A, **Höschl C**, et al. Relationship of suicide rates to economic variables in Europe: 2000-2011. *BJPsych*, 2014, 205(6), 486-496. ISSN 0007-1250.
 45. Horacek J, Mikolas P, Tintera J, Novak T, Palenicek T, Brunovsky M, **Höschl C**, Alda M. Sad mood induction has an opposite effect on amygdala response to emotional stimuli in euthymic patients with bipolar disorder and healthy

- controls. *J Psychiatry Neurosci*. 2015 Mar;40(2):134-42.
46. Melicher T, Horacek J, Hlinka J, Spaniel F, Tintera J, Ibrahim I, Mikolas P, Novak T, Mohr P, **Hoschl C**. White matter changes in first episode psychosis and their relation to the size of sample studied: A DTI study. *Schizophrenia Research* 2015 Mar;162(1-3):22-28
47. **Höschl C**, Kane J, Gaebel W, Gorwood P, and Kennedy S. Hot Debates in CNS Disorders: Is Cognitive Impairment in Mental Disorders an Endophenotype or an Epiphenomenon? *The Institute Magazine* (ISSN: 1603-2683), 19; Feb 2015: 4-16
48. Bhugra D, Ventriglio A, Kuzman MR, Ikkos G, Hermans MH, Falkai P, Fiorillo A, Musalek M, **Hoschl C**, Dales J, Beezhold J, Rössler W, Racetovic G, Gaebel W. EPA guidance on the role and responsibilities of psychiatrists. *Eur Psychiatry*. 2015 Mar;30(3):417-422.
49. Hajek T, Cooke C, Kopecek M, Novak T, **Hoschl C**, Alda M. Using structural MRI to identify individuals at genetic risk for bipolar disorders: a 2-cohort, machine learning study. *J Psychiatry Neurosci*. 2015 Apr 8;40(2):140-142.