Grygoriy Tsenov, MSc., Ph.D.
Date of birth: 13 September 1980 Nationality: Czech
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Education
2001 – BSc. Biology, Biological Faculty, National Taras Shevchenko University of Kyiv, Ukraine
2002 – MSc. with Distinction in Physiology (summa cum laude), Biological Faculty, National Taras Shevchenko University of Kyiv, Ukraine
2007 – Nostrification/Approval of MSc. with Distinction in Physiology of animals (summa cum laude), Faculty of Science, Charles university in Prague, Czech Republic
2008 - PhD in Neuroscience, Second Faculty of Medicine, Charles University in Prague, Czech Republic

Occupation
2002 - 2008 – researcher, Department of Developmental Epileptology, Institute of Physiology, Czech Academy of Science, Prague, Czech Republic
2008 - 2014 – postdoctoral researcher, Department of Developmental Epileptology, Institute of Physiology, Czech Academy of Science, Prague, Czech Republic
2014 - 2015 – associate researcher, Department of Developmental Epileptology, Institute of Physiology, Czech Academy of Science, Prague, Czech Republic
2014 – Young Investigator Training Program (Society of Neuroscience) in the Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona, Verona, Italy (team of Prof. Paolo. F. Fabene)
1/2015 – 12/2015 – junior researcher, National Institute of Mental Health, Klecany, Czech Republic
4/2015 – present – postdoctoral researcher, Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona, Verona, Italy

Certificates, courses, awards
2004 – Certificate of competency according to § 17 of the Act № 246/1992 coll. on Protection Animals against Cruelty in present statutes at large (Central Commission for Animal Welfare)
2005 – An International Education Course: Pharmacological treatment in Epilepsy" (Eilat, Israel)
2007 – Marcus Marci Award of Czech League Against Epilepsy
2011 – Scientific research microdialysis course (Lund, Sweden)
2014 – Reexamination on Protection Animals against Cruelty in present statutes at large (Central Commission for Animal Welfare, Czech Republic)
2015 – Course on Protection Animals against Cruelty in present statutes at large (Verona, Italy)
2015 – Marcus Marci Award of Czech League Against Epilepsy
2016 – Award for the best Institute of Physiology Czech Academy of Science (IPHYS) publication competition for year 2015 (category b - publication with the corresponding IPHYS author till 35 years old)

Scientific Grants
Principal investigator:
2011-2013 – Grant Agency of the Czech Republic No. P304-11-P386: Vascular and nonvascular nature of ischemia-induced seizures in immature rats (Final evaluation mark "GOOD").
Team member (till 4/2015):
2014-2016 – Grant Agency of the Czech Republic No. 14-20613S: The role of glutamatergic excitotoxicity in the models of perinatal brain insult. (Final evaluation mark "GOOD")
2012-2018 – Grant Agency of the Czech Republic/Excellence projects No. P304/12/G069/ED: Project of excellence in neuroscience (Final evaluation mark "GOOD").

Skills
In vivo electrophysiology (EEG, Evoked Potentials, single unit recording), Microdialysis, Brain Metabolism, ELISA, Western Blot, Immunohistochemistry, Molecular Biology, Biochemistry, Statistics, Behavioral Neuroscience, Metabolomics and Proteomics, HPLC-MS, MALDI, Animal models (epilepsy, focal cerebral ischemia, mild stress, traumatic brain injury, cerebral vasospasms, AD); Programming and Data analysis (Matlab, SPSS, GraphPrism, LabChart, Spike, Neuroscore, Ethovision XT, Observer XT, Viewer3, etc.).

List of publication
1. Mareš P., Tsenov G., Aleksakhina K., Druga R., Kubová H., Changes of cortical interhemispheric responses after status epilepticus in immature rats. Epilepsia 46 (Suppl. 5): 31-37, 2005. ***IF=3.733***
2. Mátéffyová A., Otáhal J., Tsenov G., Mareš P., Kubová H. Intrahippocampal injection of endothelin-1 in immature rats results in neuronal death, development of epilepsy and behavioral abnormalities later in life. European Journal of Neuroscience 24: 351-360, 2006. ***IF=3.385***
3. Tsenov G., Mareš P. Depression and/or potentiation of cortical responses after status epilepticus in immature rats. Physiological Research. 2007; 56(4):485-91. ***IF=1.653***

4. Tsenov G., Mátéffyová A., Otáhal J., Mareš P., Kubová H. Intrahippocampal injection of endothelin-1, a new model of ischemia- induced seizures in immature rats. Epilepsia 2007; 48 Suppl 5:7-13. ***IF=3.733***
5. Tsenov G., Kubova H., Mares P., Changes of cortical epileptic afterdischarges after status epilepticus in immature rats. Epilepsy Research 78, 178-185, 2008. ***IF=2.405***
6. Tsenov G, Redkozubova O, Kubová H, Mares P. Effects of lamotrigine on cortically-elicited phenomena in adult rats: differences between acute application and late consequences of early postnatal administration. Brain Res. 2009 Mar 3; 1258:65-70. ***IF=2.494***
7. Folbergrová J, Druga R, Tsenov G, Haugvicová R, Otáhal J. Posttreatment with group II metabotropic glutamate receptor agonist 2R,4R-4-aminopyrrolidine-2,4-dicarboxylate is only weakly effective on seizures in immature rats. Brain Res. 2009 Jun 1; 1273:144-54. ***IF=2.494***
8. Flachs P, Ruhl R, Hensler M, Janovska P, Zouhar P, Kus V, Jilkova ZM, Papp E, Kuda O, Svobodova M, Rossmeisl M, Tsenov G, Mohamed-Ali V, Kopecky J. Synergistic induction of lipid catabolism and anti-inflammatory lipids in white fat of dietary obese mice in response to calorie restriction and n-3 fatty acids. Diabetologia 2011, 54 (10): 2626-2638. ***IF=6.973***
9. Kleteckova L, Tsenov G, Kubova H, Stuchlik A, Vales K. Neuroprotective effect of the 3α5β- pregnanolone glutamate treatment in the model of focal cerebral ischemia in immature rats. Neurosci. Lett. 2014 Apr 3; 564:11-5. doi: 10.1016/j.neulet.2014.01.057. ***IF=2.055***
10. Zavala-Tecuapetla C, Kubova H, Otahal J, Tsenov G, Mares P. Age-dependent suppression of hippocampal epileptic afterdischarges by metabotropic glutamate receptor 5 antagonist MTEP. Pharmacol. Reports 2014-Oct (Epub 2014 Mar 13); 66(5): 927-930. ***IF=2.165***
11. Tsenov G, Vondrakova K, Otahal J, Burchfiel J, Kubova H. Activation of either the ETA or the ETB receptors is involved in the development of electrographic seizures following intrahippocampal infusion of the endothelin-1 in immature rats. Exp. Neurol. 2014. Dec 24; 265C:40-47. ***IF=4.617***
12. Tsenov G, Vondrakova K, Fabene P, Kacer P. Metabolomic monitoring of processes in the immature brain. Bioprospects 2016 26(3): 61-63.
13. Uttl L, Vondrakova K, Zlamalova E, Tsenov G, Kacer P. Perspectives in the metabolomic mapping of addiction potential of new synthetic drugs. Bioprospects 2016 26(4): 84-87.
14. Vondrakova K, Uttl L, Kubova H, Tsenov G, Kacer P. A Model of Cerebral Vasospasms and Metabolomic Mapping. Chemicke listy 2017, 111(1): 56-61. ***IF=0.279***
15. Vondrakova K, Kelbich P, Sames M, Tsenov G, Kacer P. Microdialysis and Mass Spectroscopy as a Key for Monitoring of Metabolites in Immature Brain. Chemicke listy 2017, 111(1): 66-69. ***IF=0.279***
16. Tsenov G, Kubova H, Mares P. Which component of treatment is important for changes of cortical epileptic afterdischarges after status epilepticus in immature rats? Neurosci. Letters 2017, 644: 1-4. ***IF=2.107***
17. Radu B, Osculati A, Suku E, Banciu A, Tsenov G, Merigo F, Di Chio M, Banciu D, Tognoli C, Kacer P, Giorgetti A, Radu M, Bertini G, Fabene P. All muscarinic acetylcholine receptors (M1-M5) are expressed in murine brain microvascular endothelium. Scientific reports 2017, Volume 7, Article 5083. ***IF=4.847***
19. Uttl L, Petrasek T, Sengul H, Svojanovska M, Lobellova V, Vales K, Radostova D, Tsenov G, Kubova H, Mikulecka A, Svoboda J, Stuchlik A. Chronic MK-801 application in adolescence and early adulthood: A spatial working memory deficit in adult Long-Evans rat but not changes in the hippocampal NMDA receptor subunits. Frontiers in Pharmacology 2018, Volume 9, Article 42. ***IF=4.400***
20. Kubova H, Folbergrova J, Rejchrtova J, Tsenov G, Parizkova M, Burchfiel J, Mikulecka A, Mares P. The free radical scavenger N-tert-butyl-alpha-phenylnitrone (PBN) administered to immature rats during status epilepticus alters neurogenesis and has variable effects, both beneficial and detrimental, on long-term outcome. Front. Cell. Neurosci. | doi: 10.3389/fncel.2018.00266. Accepted: 02 Aug 2018; ***IF=4.300***

Book Chapter:
Tsenov, G., Bertini, G., Pellitteri, M., Nicolato, E., Marzola, P., Fabene, P., & Van Luijtelaar, G. (2019). Imaging Neural Excitability and Networks in Genetic Absence Epilepsy Models. In A. Bernasconi, N. Bernasconi, & M. Koepp (Eds.), Imaging Biomarkers in Epilepsy (pp. 181-192). Cambridge: Cambridge University Press. doi:10.1017/9781316257951.018

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