

## Zoznam publikačnej činnosti

**PharmDr. Anna Hrabovská, PhD.**

### **ABA Štúdie v časopisoch a zborníkoch charakteru vedeckej monografie vydané v zahraničných vydavateľstvách**

ABA01 Hrabovská, Anna 100%: Localization, processing and function of cholinesterases in striatum  
Lit. 215 zázň.  
In: Striatum: anatomy, functions and role in disease. - New York : Nova Science Publishers, 2012. - S. 1-36  
[3,25 AH]. - ISBN 978-1-61942-384-8  
URL: <https://stella.uniba.sk/epc/FA/2012/vtIs000259210.pdf>

### **ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách**

ABC01 Mysliveček, Jaromír 70% - Hrabovská, Anna 30%: Dopamine receptors regulation by non-dopaminergic mechanisms  
In: Watanabe, A. (Ed.) : Dopamine Research Advances. - New York : Nova Science Publishers, Inc., 2008. - S. 193-208 [1,28 AH]. - ISBN 978-1-60692-764-9

### **ADC Vedecké práce v zahraničných karentovaných časopisoch**

ADC01 Volpicelli-Daley, Laura A. - Hrabovská, Anna - Duysen, Ellen G. - Ferguson, Shawn M. - Blakely, Randy D. - Lockridge, Oksana - Levey, Allan I. : Altered striatal function and muscarinic cholinergic receptors in acetylcholinesterase knockout mice  
In: Molecular Pharmacology. - Vol. 64, No. 6 (2003), s. 1309-1316  
*Ohlasy (29):*  
[o1] 2005 Berse, B. - Szczecnska, W. - Lopez-Coviella, I. - Madziar, B. - Zemelko, V. - Kaminski, R. - Kozar, K. - Lips, K. S. - Pfeil, U. - Bulusztajn, J. K.: Expression of high affinity choline transporter during mouse development in vivo and its upregulation by NGF and BMP-4 in vitro. In: Developmental Brain Research, Vol. 157, No. 2, 2005, s. 140 - SCI; SCOPUS  
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[o1] 2006 Jameson, R.R. - Seidler, F.J. - Qiao, D. - Slotkin, T.A.: Chlorpyrifos affects phenotypic outcomes in a model of mammalian neurodevelopment: Critical stages targeting differentiation in PC12 cells. In: Environmental Health Perspectives, Vol. 114, No. 5, 2006, s. 672 - SCI; SCOPUS  
[o1] 2005 Basu, N. - Scheuhammer, A. - Grochowina, N. - Klenovic, K. - Evans, D. - O'Brien, M. - Chan, H. M.: Effects of mercury on neurochemical receptors in wild river otters (*Lontra canadensis*). In: Environmental Science & Technology, Vol.39, No. 10, 2005, s. 3591 - SCI; SCOPUS  
[o1] 2005 Cousin, X. - Strahle, U. - Chatonnet, A.: Are there non-catalytic functions of acetylcholinesterases? Lessons from mutant animal models. In: Bioessays, Vol. 27, No. 2, 2005, s. 200 - SCI; SCOPUS  
[o1] 2005 Sarter, M. - Parikh, V.: Choline transporters, cholinergic transmission and cognition. In: Nature Reviews Neuroscience, Vol. 6, No. 1, 2005, s. 56 - SCI; SCOPUS  
[o1] 2004 Christie, M. A. - Hersch, S. M.: Demonstration of nondeclarative sequence learning in mice: Development of an animal analog of the human serial reaction time task. In: Learning & Memory, Vol. 11, No. 6, 2004, s. 723 - SCI; SCOPUS  
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[o1] 2004 Adler, M. - Manley, H. A. - Purcell, A. L.: Reduced acetylcholine receptor density, morphological remodeling, and butyrylcholinesterase activity can sustain muscle function in acetylcholinesterase knockout mice. In: Muscle & Nerve, Vol. 30, No. 3, 2004, s. 327 - SCI

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- [o1] 2008 Carageorgiou, H. - Sideris, A.C. - Messari, I. - Liakou, C.I. - Tsakiris, S.: *Neuropsychiatric Disease and Treatment*, Vol. 4, No. 4, 2008, s. 699 - SCI; SCOPUS
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- [o1] 2004 Happe, H.K. - Morley, B.J.: *Developmental Brain Research*, Vol. 153, No. 1, 2004, s. 37 - SCOPUS
- [o1] 2010 Espallergues, J. - Galvan, L. - Sabatier, F. - Rana-Poussine, V. - Maurice, T. - Chatonnet, A.: *Behavioural Brain Research*, Vol. 206, No. 2, 2010, s. 273 - SCI, SCOPUS
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- [o1] 2011 Havekes, R. - Abdel, T. - van der Zee, E.A.: *Behavioural Brain Research*, Vol. 221, No. 2, 2011, s. 423 - SCI, SCOPUS
- [o1] 2011 Long, J.Z. - Cravatt, B.F.: *Chemical Reviews*, Vol. 111, No. 10, 2011, s. 6063 - SCI
- [o1] 2012 He, C.Y. - Wang, C.G. - Li, B.W. - Wu, M.F. - Geng, H. - Chen, Y.X. - Zuo, Z.H.: *Aquatic Toxicology*, Vol. 116, 2012, s. 115 - SCI
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- [o1] 2012 Nagy, P.M. - Aubert, I.: *Neuroscience*, Vol. 218, 2012, s. 11 - SCOPUS
- [o1] 2012 Reiner, C. - Nathanson, N.M.: *Handbook of Experimental Pharmacology*, Vol. 208, 2012, s. 78 - SCOPUS

ADC02 Hrabovská, Anna - Duysen, Ellen G. - Sanders, J. D. - Murrin, L. C. - Lockridge, Oksana : Delivery of human acetylcholinesterase by adeno-associated virus to the acetylcholinesterase knockout mouse  
In: *Chemico-Biological Interactions*. - Vol. 157, Sp. Iss. (2005), s. 71-78

*Ohlasy (1):*

- [o1] 2008 Shen, Z.X.: *Medical Hypotheses*, Vol. 70, No. 1, 2008, s. 51 - SCI

ADC03 Masson, Patrick - Schopfer, Lawrence M. - Froment, Marie-Thérèse - Debouzy, Jean-Claude - Nachon, Florian - Gillon, Emilie - Lockridge, Oksana - Hrabovská, Anna - Goldstein, Boris N. : Hysteresis of butyrylcholinesterase in the approach to steady-state kinetics  
Lit. 36 záz. n.

In: *Chemico-Biological Interactions*. - Vol. 157, Sp. Iss. (2005), s. 142-152

*Ohlasy (7):*

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- [o1] 2008 Massoulié, J. - Perrier, N. - Noureddine, H. - Liang, D. - Bon, S.: *Chemico-Biological Interactions*, Vol. 175, No. 1-3, 2008, s. 44 - SCI

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- [o1] 2010 Lindberg, D. - Ahmad, S. - Widersten, M.: Archives of Biochemistry and Biophysics, Vol. 495, No. 2, 2010, s. 173 - SCOPUS; SCI
- [o1] 2010 Lindberg, D. - De La Revenga, M.F. - Widersten, M.: Biochemistry, Vol. 49, No. 10, 2010, s. 2304 - SCOPUS; SCI
- [o1] 2011 Atkins, W.M. - Qian, H.: Biochemistry, Vol 50, No. 19, 2011, s. 3872 - SCOPUS; SCI

ADC04 Hrabovská, Anna - Debouzy, Jean-Claude - Froment, Marie-Thérèse - Devínsky, Ferdinand - Pauliková, Ingrid - Masson, Patrick : Rat butyrylcholinesterase-catalysed hydrolysis of N-alkyl homologues of benzoylcholine

Lit. 49 zázn.

In: FEBS Journal. - Vol. 273, No. 6 (2006), s. 1185-1197

*Ohlasy (2):*

- [o1] 2008 Massoulie, J. - Perrier, N. - Noureddine, H. - Liang, D. - Bon, S.: Chemico-Biological Interactions, Vol. 175, No. 1-3, 2008, s. 44 - SCI
- [o1] 2010 Masson, P. - Lockridge, O.: Archives of Biochemistry and Biophysics, Vol.494, No. 2, 2010, s. 120 - SCI

ADC05 Dobbertin, Alexandre 10% - Hrabovská, Anna 60% - Dembele, Korami 5% - Camp, Shelley 5% - Taylor, Palmer 5% - Krejci, Eric 10% - Bernard, Véronique 5%: Targeting of acetylcholinesterase in neurons in vivo: a dual processing function for the proline-rich membrane anchor subunit and the attachment domain on the catalytic subunit

Lit. 43 zázn.

In: Journal of Neuroscience. - Vol. 29, No. 14 (2009), s. 4519-4530

*Ohlasy (10):*

- [o1] 2010 Henderson, Z. - Matto, N. - John, D. - Nalivaeva, N.N. - Turner, A.J.: Brain Research, Vol.1344, 2010, s. 42 - SCI; SCOPUS
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- [o1] 2011 Petrov, K.A. - Yagodina, L.O. - Valeeva, G.R. - Lannik, N.I. - Nikitashina, A.D. - Rizvanov, A.A. - Zobov, V.V. - Bukharaeva, E.A. - Reznik, V.S. - Nikolsky, E.E. - Vyskocil, F.: British Journal of Pharmacology, Vol. 163, No. 4, 2011, s. 744 - SCI, SCOPUS
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- [o1] 2011 Chen, V.P. - Choi, R.C.Y. - Chan, W.K.B. - Leung, K.W. - Guo, A.J.Y. - Chan, G.K.L. - Luk, W.K.W. - Tsim, K.W.K.: Journal of Biological Chemistry, Vol. 286, No. 38, 2011, s. 32961 - SCI
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ADC06 Hrabovská, Anna 40% - Farár, Vladimír 10% - Bernard, Véronique 10% - Duysen, Ellen G. 10% - Brabec, Jiří 10% - Lockridge, Oksana 10% - Mysliveček, Jaromír 10%: Drastic decrease in dopamine receptor levels in the striatum of acetylcholinesteraseknock-out mouse

Lit. 49 zázn.

In: Chemico-Biological Interactions. - Vol. 183, No. 1 (2010), s. 194-201

*Ohlasy (4):*

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[o1] 2011 Abreu-Villaça, Y. - Filgueiras, C.C. - Manhaes, A.C.: Behavioural Brain Research, Vol. 221, No. 2, 2011, s. 378 - SCOPUS; SCI

[o1] 2011 Havekes, R. - Abel, T. - Van der Zee, E.A.: Behavioural Brain Research, Vol. 221, No. 2, 2011, s. 423 - SCOPUS; SCI

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ADC07 Bernard, Véronique 2% - Girard, Emmanuelle 2% - Hrabovská, Anna 88% - Camp, Shelley 2% - Taylor, Palmer 2% - Plaud, Benoit 2% - Krejci, Eric 2%: Distinct localization of collagen Q and PRiMA forms of acetylcholinesterase at the neuromuscular junction

Lit. 48 zázň.

In: Molecular and Cellular Neuroscience. - Vol. 46, No. 1 (2011), s. 272-281

*Ohlasy (2):*

[o1] 2011 Singhal, N. - Martin, P.T.: Developmental Neurobiology, Vol. 71, No. 11, 2011, s. 1005 - SCI

[o1] 2011 Valle, A.M. - Radic, Z. - Rana, B.K. - Mahboubi, V. - Wessel, J. - Shih, P.A.B. - Rao, F.W. - O'Connor, D.T. - Taylor, P.: Journal of Pharmacology and Experimental Therapeutics, Vol. 338, No. 1, 2011, s. 133 - SCI

ADC08 Farár, Vladimír 30% - Mohr, Francizska 1% - Legrand, Marie 1% - d'Incamps, Lamotte Boris 1% - Cendelin, Ján 1% - Leroy, Jacqueline 1% - Abitbol, Marc 1% - Bernard, Véronique 1% - Baud, Frédéric 1% - Houze, Pascal 1% - Klein, Jochen 1% - Plaud, Benoit 1% - Fournet, Vincent 1% - Tůma, Jan 1% - Zimmermann, Martin 1% - Ascher, Philippe 1% - Hrabovská, Anna 25% - Mysliveček, Jaromír 5% - Krejci, Eric 25%: Near-complete adaptation of the PRiMA knockout to the lack of central acetylcholinesterase

Lit. 63 zázň.

In: Journal of Neurochemistry. - Vol. 122, No. 5 (2012), s. 1065-1080

#### **ADD Vedecké práce v domácich karentovaných časopisoch**

ADD01 Pauliková, Ingrid - Hrabovská, Anna - Helia, Otto - Devínsky, Ferdinand : Inter-tissue and inter-species comparison of butyrylcholinesterases

Lit. 18 zázň.

In: Biologia. - Roč. 61, č. 6 (2006), s. 709-712

*Ohlasy (1):*

[o1] 2010 Wiesner, J. - Kriz, Z. - Kuca, K. - Jun, D. - Koca, J.: Journal of Enzyme Inhibition and Medicinal Chemistry, Vol. 25, No. 3, 2010, s. 322 - SCOPUS; SCI

#### **ADE Vedecké práce v zahraničných nekarentovaných časopisoch**

ADE01 Hrabovská, Anna - Pauliková, Ingrid - Kovács, Peter : Súčasný poznatky v oblasti štúdia cholinesteráz

Lit. 85 zázň.

In: Československá fyziologie. - Roč. 55, č. 1 (2006), s. 30-39

ADE02 Hrabovská, Anna 90% - Bernard, Véronique 5% - Krejci, Eric 5%: A novel system for the efficient generation of antibodies following immunization of unique knockout mouse strains [elektronický dokument]  
Popis urobený 19.10.2010

Lit. 16 zázň.

In: PLoS ONE. - Vol. 5, No. 9 (2010), s. [1-7]

URL:

<http://www.plosone.org/search/simpleSearch.action?from=globalSimpleSearch&filterJournals=PLoSONE&query=hrabovska&x=17&y=17>

*Ohlasy (3):*

[o1] 2011 Parikh, K. - Duysen, E.G. - Snow, B. - Jensen, N.S. - Manne, V. - Lockridge, O. - Chilukuri, N.: Journal of Pharmacology and Experimental Therapeutics, Vol. 337, No. 1, 2011, s. 101 - SCI; SCOPUS

[o1] 2011 Iwanari, H. - Nakada-Nakura, Y. - Kusano-Arai, O. - Suzuki, N. - Kodama, T. - Sakihama, T. - Hamakubo, T.: Journal of Immunological Methods, Vol. 369, No. 1-2, 2011, s. 114 - SCI; SCOPUS

[o1] 2012 Amenta, A.R. - Creely, H.E. - Mercado, M.L.T. - Hagiwara, H. - McKechnie, B.A. - Lechner, B.E. - Rossi, S.G. - Wang, Q. - Owens, R.T. - Marrero, E. - Mei, L. - Hoch, W. - Young, M.F. - McQuillan, D.J. - Rotundo, R.L. - Fallon, J.R.: Journal of Neuroscience, Vol. 32, No. 7, 2012, s. 2334 - SCI; SCOPUS

### **ADF Vedecké práce v domácich nekarentovaných časopisoch**

ADF01 Hrabovská, Anna - Pauliková, Ingrid - Helia, Otto - Devínsky, Ferdinand : Účast' butyrylcholinesterázy na hydrolýze krátkoreťazcových benzoylcholínov v mikrozómovej frakcii pľúc a pečene potkana  
Lit. 14 zázň.  
In: Farmaceutický obzor. - Roč. 70, č. 1-2 (2001), s. 24-28

ADF02 Pauliková, Ingrid - Helia, Otto - Hrabovská, Anna - Devínsky, Ferdinand : In vitro hydrolýza organických amóniových solí sérovou cholinesterázou  
Lit. 11 zázň.  
In: Farmaceutický obzor. - Roč. 72, č. 1 (2003), s. 6-9

ADF03 Mésarošová, Lucia 40% - Švihra, Ján 10% - Fraňová, Soňa 10% - Hrabovská, Anna 10% - Křenek, Peter, ml. 10% - Kyselovič, Ján 10% - Ochodnický, Peter 10%: Úloha kaveolínu 1 v procese proliferácie svetlobunkového adenokarcinómu obličiek  
Lit. 11 zázň.  
In: Farmaceutický obzor. - Roč. 79, č. 8 (2010), s. 219-222

ADF04 Mysliveček, Jaromír 30% - Hrabovská, Anna 70%: Hypothalamus - hlavné integračné centrum somato-autonomných funkcií  
Lit. 14 zázň.  
In: Farmaceutický obzor. - Roč. 79, č. 8 (2010), s. 235-240

ADF05 Čorejová, Adela 40% - Verčinská, Miriam 20% - Hrabovská, Anna 20% - Kyselovič, Ján 20%: Vzťah hodnôt indexu telesnej hmotnosti a tlaku krvi u ambulantne liečených hypertonikov = Correlation between body mass index and blood pressure of hypertensive patients in the ambulant care  
Lit. 16 zázň.  
In: Farmaceutický obzor. - Roč. 80, č. 9 (2011), s. 235-239

ADF06 Farár, Vladimír 30% - Mysliveček, Jaromír 30% - Hrabovská, Anna 40%: Regulačné mechanizmy dopamínu vo funkcii corpus striatum = Regulatory mechanisms of dopamine in corpus striatum function  
Lit. 69 zázň.  
In: Farmaceutický obzor. - Roč. 80, č. 3 (2011), s. 84-90

ADF07 Mésarošová, Lucia 50% - Hrabovská, Anna 50%: Nové stratégie liečby adenokarcinómu obličiek = New strategy of treatment of adenocarcinoma of kidney  
Lit. 14 zázň.  
In: Farmaceutický obzor. - Roč. 80, č. 3 (2011), s. 91-93

### **AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách**

AEC01 Hrabovská, Anna - Duysen, Ellen G. - Lockridge, Oksana : Acetylcholinesterase knockout mice have increased sensitivity to scopolamine and atropine  
In: Cholinergic mechanisms: Function and dysfunction. - London : Martin Dunitz, 2004. - S. 102-103. - ISBN 978-184184075-8

AEC02 Hrabovská, Anna - Lockridge, Oksana : Acetylcholinesterase wild-type and knock-out mice show different locomotor activity after scopolamine injection  
Lit. 1 zázň.  
In: Cholinesterases in the Second Millennium : Biomolecular and Pathological Aspects. - Pucon : Diseno e Impresiones J&J Ltda, 2004. - S. 315-319  
[7th International Meeting on Cholinesterases. Pucon, 2004]

AEC03 Mysliveček, Jaromír 50% - Hrabovská, Anna 50%: Mechanizmy účinku farmak pôsobících na nervový systém a jejich interakce  
In: Mysliveček, J. : Základy neurověd. 2., rozšíř. a preprac. vyd. - Praha : Triton, 2008. - S. 345-358 [0,83 AH].  
- ISBN 978-80-7387-088-1

#### **AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách**

AED01 Dingová, Dominika 50% - Hrabovská, Anna 50%: Vplyv tlmivých roztokov na stabilitu Ellmanovho činidla = The effect of different buffers on Ellman's reagent stability  
Lit. 8 záz. n.  
In: Pokroky vo farmakológii v Slovenskej republike 7. - Bratislava : Univerzita Komenského v Bratislave, Farmaceutická fakulta, 2012. - S. 77-82. - ISBN 978-223-3271-2

AED02 Kučera, Matej 25% - Kráľová, Eva 25% - Stankovičová, Tatiana 25% - Hrabovská, Anna 25%: Vplyv kotvených molekulových foriem cholinesteráz na funkčné parametre srdca = Effects of anchored molecular forms of cholinesterases on functional parameters of heart  
Lit. 12 záz. n.  
In: Pokroky vo farmakológii v Slovenskej republike 7. - Bratislava : Univerzita Komenského v Bratislave, Farmaceutická fakulta, 2012. - S. 70-76. - ISBN 978-223-3271-2

AED03 Mrvová, Katarína 50% - Hrabovská, Anna 50%: Štúdium inter-individuálnej variability butyrylcholinesterázy u ľudí = The study of inter-individual butyrylcholinesterase variability in humans  
Lit. 15 záz. n.  
In: Pokroky vo farmakológii v Slovenskej republike 7. - Bratislava : Univerzita Komenského v Bratislave, Farmaceutická fakulta, 2012. - S. 63-69. - ISBN 978-223-3271-2

#### **AEG Stručné oznámenia, abstrakty vedeckých prác v zahraničných karentovaných časopisoch**

AEG01 Hrabovská, Anna - Pauliková, Ingrid - Helia, Otto - Devínsky, Ferdinand : Butyrylcholinesteráza - enzým zodpovedný za hydrolyzu benzoylcholinov  
In: Chemické listy. - Roč. 94, č. 8 (2000), s. 716  
[XVII. biochemický sjezd. Praha, 7.-10.10.2000]

AEG02 Pauliková, Ingrid - Helia, Otto - Hrabovská, Anna - Devínsky, Ferdinand : Mikrozómové esterázy vo vzťahu k benzoylcholinom in vitro  
In: Chemické listy. - Roč. 94, č. 8 (2000), s. 716  
[XVII. biochemický sjezd. Praha, 7.-10.10.2000]

AEG03 Farár, Vladimír - Duysen, Ellen G. - Lockridge, Oksana - Brabec, J. - Petrovický, P. - Mysliveček, J. - Hrabovská, Anna : Brain region specific changes in  $\alpha 1$ -adrenergic receptor level in acetylcholinesterase knockout mice  
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### **DAI Dizertačné a habilitačné práce**

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### **Štatistika kategórií (Záznamov spolu: 85):**

ABA Štúdie v časopisoch a zborníkoch charakteru vedeckej monografie vydané v zahraničných vydavateľstvách (1)  
ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (1)  
ADC Vedecké práce v zahraničných karentovaných časopisoch (8)  
ADD Vedecké práce v domácich karentovaných časopisoch (1)  
ADE Vedecké práce v zahraničných nekarentovaných časopisoch (2)  
ADF Vedecké práce v domácich nekarentovaných časopisoch (7)  
AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (3)  
AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (3)  
AEG Stručné oznámenia, abstrakty vedeckých prác v zahraničných karentovaných časopisoch (8)  
AFG Abstrakty príspevkov zo zahraničných konferencií (17)  
AFH Abstrakty príspevkov z domácich konferencií (29)  
BCI Skriptá a učebné texty (1)  
BDF Odborné práce v domácich nekarentovaných časopisoch (3)  
DAI Dizertačné a habilitačné práce (1)

### **Štatistika ohlasov (59):**

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (59)

Bratislava, 27.11.2012