

- 1 Review – **Melatonin in experimental seizures and epilepsy.** *Monika Banach, Elwira Gurdziel, Marian Jędrych, Kinga K. Borowicz*
- 12 Review – **Caffeine and the anticonvulsant potency of antiepileptic drugs: experimental and clinical data.** *Magdalena Chrościńska-Krawczyk, Małgorzata Jargiełło-Baszak, Magdalena Wątek, Bożydar Tylus, Stanisław J. Czuczwar*
- 19 Review – **Protein kinase C $\epsilon$  as a cancer marker and target for anticancer therapy.** *Ewa Totoń, Ewa Ignatowicz, Karolina Skrzeczkowska, Maria Rybczyńska*
- 30 Review – **IL-17-expressing cells as a potential therapeutic target for treatment of immunological disorders.** *Anna Strzępa, Marian Szczepanik*
- 45 **Differences between human wild-type and C23S variant 5-HT<sub>2C</sub> receptors in inverse agonist-induced resensitization.** *Jutta Walstab, Folkert Steinhagen, Michael Brüß, Manfred Göthert, Heinz Bönisch*
- 54 **Ameliorative potential of sodium cromoglycate and diethyldithiocarbamic acid in restraint stress-induced behavioral alterations in rats.** *Rajneet K. Manchanda, Amteshwar S. Jaggi, Nirmal Singh*
- 64 **Magnesium sulfate and sodium valproate block methylphenidate-induced hyperlocomotion, an animal model of mania.** *Francisco J. Barbosa, Bernardete Hesse, Rodrigo B. de Almeida, Irinéia P. Baretta, Roseli Boemgen-Lacerda, Roberto Andreatini*
- 71 **Antidepressant-like activity of the phenylpiperazine pyrrolidin-2-one derivatives in mice.** *Jacek Sapa, Barbara Filipek, Katarzyna Kulig, Barbara Malawska*
- 79 **Acquisition and expression of ethanol-induced conditioned place preference in mice is inhibited by naloxone.** *Małgorzata Wróbel*
- 86 **Effects of carbamazepine and metabolites on IL-2, IL-5, IL-6, IL-10 and IFN- $\gamma$  secretion in epileptic patients: the influence of co-medication.** *Olivier Mathieu, Marie-Christine Picot, Philippe Gelisse, Hélène Breton, Pascal Demoly, Dominique Hillaire-Buys*
- 95 **Lymphocyte-suppressing effect of simvastatin in mixed dyslipidemic patients but not impaired glucose tolerance patients.** *Robert Krysiak, Bogusław Okopień*
- 102 **Noradrenaline release in rodent tissues is inhibited by interleukin-1 $\beta$  but is not affected by urotensin II, MCH, NPW and NPFF.** *Kirsten Schulte, Manush Kumar, Jean-Marie Zajac, Eberhard Schlicker*
- 112 **Heme oxygenase/carbon monoxide-biliverdin pathway may be involved in the antinociceptive activity of etoricoxib, a selective COX-2 inhibitor.** *Niedja M. G. Grangeiro, Jordana A. Aguiar, Hellíada V. Chaves, Antonio A. R. Silva, Vilma Lima, Norma M. B. Benevides, Gerly A. C. Brito, José R. V. da Graça, Mima M. Bezerra*
- 120 **Evaluation of the irritating influence of carane derivatives and their antioxidant properties in a deoxyribose degradation test.** *Andrzej Moniczewski, Tadeusz Librowski, Stanisław Lochyński, Daniel Strub*
- 130 **Ejaculatory dysfunction in streptozotocin-induced diabetic rats: the role of testosterone.** *Davi A. Pontes, Glaura S. A. Femandes, Renata C. Piffer, Daniela C. C. Gerardin, Oduvaldo C. M. Pereira, Wilma G. Kempinas*
- 139 **Enhanced TRAIL-mediated apoptosis in prostate cancer cells by the bioactive compounds neobavaisoflavone and psoralidin isolated from *Psoralea corylifolia*.** *Ewelina Szliszka, Zenon P. Czuba, Łukasz Sędek, Andrzej Paradysz, Wojciech Król*
- 149 **Influence of anticancer therapy on oxidation phenotype and acetylation phenotype in patients with acute myeloblastic leukemia.** *Łukasz Łapiński, Krystyna Orzechowska-Juzwenko, Anna Wiela-Hojeńska, Dariusz Wołowicz, Grzegorz Ganczarski, Krystyna Głowacka, Henryk Czarnik-Matuszewicz, Kazimierz Kuliczkowski, Jacek Gąsiorowski*
- 157 **Induction of P450 3A1/2 and 2C6 by gemfibrozil in Sprague-Dawley rats.** *Aiming Liu, Julin Yang, Xin Zhao, Xiaolan Jiao, Weihong Zhao, Qing Ma, Zhiyuan Tang, Renke Dai*

## SHORT COMMUNICATIONS

- 165 **Endocannabinoid system protects against cryptogenic seizures.** *Clementina M. van Rijn, Martin F. J. Perescis, Lyudmila Vinogradova, Gilles van Luijteleaar*
- 169 **7-Nitroindazole, but not N<sup>G</sup>-nitro-L-arginine, enhances the anticonvulsant activity of pregabalin in the mouse maximal electroshock-induced seizure model.** *Jarogniew J. Łuszczki, Anna Jaskólska, Wojciech Dworzański, Dorota Żółkowska*
- 176 **Cytoprotective action of the potassium channel opener NS1619 under conditions of disrupted calcium homeostasis.** *Ludwika Chmielewska, Dominika Malińska*
- 184 **Atorvastatin affects the tissue concentration of hydrogen sulfide in mouse kidneys and other organs.** *Bogdan Wiliński, Jerzy Wiliński, Eugeniusz Somogyi, Joanna Piotrowska, Marta Góralska*
- 189 **Combinatory effects of PBDEs and 17 $\beta$ -estradiol on MCF-7 cell proliferation and apoptosis.** *Patrycja Kwiecińska, Anna Wróbel, Ewa Ł. Gregoraszczyk*
- 195 **Cell-penetrating peptides modulate the vascular action of phenylephrine.** *Ivan Kocić, Jarosław Ruczyński, Renata Szczepańska, Mariola Olkiewicz, Brygida Parfianowicz, Izabela Rusiecka, Piotr Rekowski*

**Abstracts of the EUROPEAN OPIOID CONFERENCE 2011, Kraków, Poland**

- 205 Plenary lectures  
207 Symposia  
226 Poster presentations

267 **Note to Contributors**