

## TABLE OF CONTENTS

### Volume 4, Number 6A, June 2013

**Mice selected for large and small brain weight: The preservation of trait differences after the selection was discontinued**

- O. V. Perepelkina, V. A. Golibrodo, I. G. Lilp, I. I. Poletaeva.....1

**Attenuation of nicotine-evoked  $\text{Ca}^{2+}$  influx by antibody to the nicotinic acetylcholine receptor  $\alpha 3$  subunits in human embryonic kidney cells**

- S. Kobayashi, S. Yokoyama, T. Maruta, A. Muroyama, H. Yoshikawa, Y. Mitsumoto.....9

**Menopause, cessation of menses, vs. “menopause”, a primary brain disorder?**

- S. L. Jaffe.....15

**Activation of the corticotropin-releasing factor receptor from the basolateral or central amygdala modulates nociception in guinea pigs**

- A. F. Donatti, C. R. A. Leite-Panissi.....20

**Transcriptome profiling of 6-OHDA model of Parkinson’s disease**

- M. I. Shadrina, E. V. Filatova, A. K. Alieva, A. V. Stavrovskaya, R. M. Khudoerkov, S. A. Limborska, S. N. Illarioshkin, P. A. Slominsky.....28

**Ligand-induced dimerization of syndecan-3 at the cell surface**

- E. Kulesskiy, S. Tumova, H. Rauvala.....36

**Increased myo-inositol in the posterior cingulate cortex in first-episode major depressive patients**

- L. M. Granados-Domínguez, E. O. Flores-Gutiérrez, S. Alcauter, J. J. Cervantes, M. Torres-Álvarez, M. Corsi-Cabrera.....45

**Therapeutic approaches enhancing peripheral nerve regeneration**

- M. E. De Stefano, F. Toni, V. D’Orazi, A. Ortensi, A. M. Tata.....53

**Purkinje-neuron-specific down-regulation of p38 protects motoric function from the repeated use of benzodiazepine**

- M. Jung, D. Metzger.....61

---

The figure on the front cover is from the article published in Advances in Bioscience and Biotechnology, 2013, Vol. 4, No. 6A, pp. 36-44 by Evgeny Kulesskiy, Sarka Tumova and Heikki Rauvala.