

# TRANSGENIC / GENE EXPRESSION

## OPTIMICE

Loic Auderset, Carlie L. Cullen, Kaylene M. Young. Low Density Lipoprotein-Receptor Related Protein 1 Is Differentially Expressed by Neuronal and Glial Populations in the Developing and Mature Mouse Central Nervous System. PLoS ONE 11(6): e0155878. <https://doi.org/10.1371/journal.pone.0155878>  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0155878>

Evgeniya V. Dolgova, Yaroslav R. Efremov, Oleg S. Taranov, Ekaterina A. Potter, Valeriy P. Nikolin, Nelly A. Popova, Vladimir V. Omigov, Elena R. Chernykh, Anastasia S. Proskurina, Sergey S. Bogachev. Comparative analysis of pathologic processes developing in mice housed in SPF vs non-SPF conditions and treated with cyclophosphamide and dsDNA preparation. Pathology - Research and Practice, Volume 211, Issue 10, October 2015, Pages 754-758; <https://doi.org/10.1016/j.prp.2015.07.002>  
<https://www.sciencedirect.com/science/article/pii/S0344033815001429>

James Fraser, Alexandra Essebier, Richard M. Gronostajski, Mikael Boden, Brandon J. Wainwright, Tracey J. Harvey, Michael Piper. Cell-type-specific expression of NFIX in the developing and adult cerebellum. Brain Structure and Function, July 2017, Volume 222, Issue 5, pp 2251–2270; doi: 10.1007/s00429-016-1340-8  
<https://link.springer.com/article/10.1007/s00429-016-1340-8>

Ludmila A. Gerlinskaya, Svetlana O. Maslennikova, Margaret V. Anisimova, Nataly A. Feofanova, Evgenii L. Zavjalov, Galina V. Kontsevaya, Yuri M. Moshkin and Mikhail P. Moshkin. Modulation of embryonic development due to mating with immunised males. Reproduction, Fertility and Development 29(3) 565-574; <https://doi.org/10.1071/RD15173>  
<http://www.publish.csiro.au/rd/RD15173>

David Gilliam, Nate Valdez, Scott Branson, Ashley Dixon, Chris Downing. Maternal effects on ethanol teratogenesis in a cross between A/J and C57BL/6J mice. Alcohol, Volume 45, Issue 5, August 2011, Pages 441-449; <https://doi.org/10.1016/j.alcohol.2011.02.308>  
<https://www.sciencedirect.com/science/article/pii/S0741832911003879>

Groves NJ, Bradford D, Sullivan RKP, Conn K-A, Aljelaify RF, McGrath JJ, et al. (2016) Behavioural Effects of Adult Vitamin D Deficiency in BALB/c Mice Are not Associated with Proliferation or Survival of Neurons in the Adult Hippocampus. PLoS ONE 11(4): e0152328.  
<https://doi.org/10.1371/journal.pone.0152328>  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0152328>

Rebecca L Kelley and David K Gardner. Addition of interleukin-6 to mouse embryo culture increases blastocyst cell number and influences the inner cell mass to trophectoderm ratio. Clin Exp Reprod Med. 2017 Sep; 44(3): 119-125; <https://doi.org/10.5653/cerm.2017.44.3.119>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5636923/>

Rebecca L. Kelley, David K Gardner. Combined effects of individual culture and atmospheric oxygen on preimplantation mouse embryos in vitro. *Reproductive BioMedicine Online*, November 2016, Volume 33, Issue 5, Pages 537–549; DOI: <http://dx.doi.org/10.1016/j.rbmo.2016.08.003>  
[http://www.rbmojournal.com/article/S1472-6483\(16\)30451-5/abstract](http://www.rbmojournal.com/article/S1472-6483(16)30451-5/abstract)

G. V. Kontsevaya, N. A. Feofanova, A. G. Menzorovi, E. Pristyazhnyuk, A. V. Smirnov, N. R. Battulin, L. A. Gerlinskaya. Efficient chimeric mouse production using a novel embryonic stem cell line. *Russian Journal of Genetics: Applied Research*, December 2017, Volume 7, Issue 8, pp 806–810;  
<https://doi.org/10.1134/S2079059717050100>  
<https://link.springer.com/article/10.1134/S2079059717050100>

G. V. Kontsevaya, E. A. Litvinova, M. P. Moshkin. Effects of female sexual chemosignals on mucosal immunity in BALB/c and C57BL/6 male mice. *Russian Journal of Genetics: Applied Research*. July 2017, Volume 7, Issue 5, pp 509–512; <https://doi.org/10.1134/S2079059717050112>  
<https://link.springer.com/article/10.1134/S2079059717050112>

Kozikowski, A. P., Gunosewoyo, H., Guo, S., Gaisina, I. N., Walter, R. L., Ketcherside, A., McClung, C. A., Mesecar, A. D. and Caldarone, B. (2011) Identification of a Glycogen Synthase Kinase-3 $\beta$  Inhibitor that Attenuates Hyperactivity in CLOCK Mutant Mice. *ChemMedChem*, 6: 1593–1602. doi: 10.1002/cmdc.201100188  
<http://onlinelibrary.wiley.com/doi/10.1002/cmdc.201100188/abstract>

Murat Maga, A. Postnatal Development of the Craniofacial Skeleton in Male C57BL/6J Mice. *Journal of the American Association for Laboratory Animal Science*, Volume 55, Number 2, March 2016, pp. 131-136(6).  
<http://www.ingentaconnect.com/content/aalas/jaalas/2016/00000055/00000002/art00001>

Ono, Y., Perez-Gutierrez, A., Nakao, T., Dai, H., Camirand, G., Yoshida, O., Yokota, S., Stolz, D. B., Ross, M. A., Morelli, A. E., Geller, D. A. and Thomson, A. W. Graft-infiltrating PD-L1hi cross-dressed dendritic cells regulate anti-donor T cell responses in mouse liver transplant tolerance. *Hepatology*. Accepted Author Manuscript. doi:10.1002/hep.29529  
<http://onlinelibrary.wiley.com/doi/10.1002/hep.29529/full>

A. V. Smirnov, N. A. Feofanova, G. V. Kontsevaya, M. V. Anisimova, I. I. Kovrigin, I. A. Serova, M. P. Moshkin, L. A. Gerlinskaya, N. R. Battulin. Morphophysiological effects of insertional mutagenesis of the contactin 5 (Cntn5) gene in transgenic mice. *Russian Journal of Genetics: Applied Research*, December 2017, Volume 7, Issue 8, pp 799–805; <https://doi.org/10.1134/S2079059717050185>  
<https://link.springer.com/article/10.1134/S2079059717050185>

Alexander V. Smirnov, Galina V. Kontsevaya, Natalia A. Feofanova, Margarita V. Anisimova, Irina A. Serova, Lyudmila A. Gerlinskaya, Nariman R. Battulin, Mikhail P. Moshkin, Oleg L. Serov. Unexpected phenotypic effects of a transgene integration causing a knockout of the endogenous Contactin-5 gene in

mice. *Transgenic Res* (2017). <https://doi.org/10.1007/s11248-017-0053-y>  
<https://link.springer.com/article/10.1007/s11248-017-0053-y>

A. S. Tsybko, T. G. Amstislavskaya, G. V. Kontsevaya, L. A. Gerlinskaya. Effect of chronic inhalation of silicon dioxide nanoparticles (Tarkosil 25) on the expression of key genes of the serotonergic system in the mouse brain. *Nanotechnologies in Russia*, March 2014, Volume 9, Issue 3–4, pp 213–218;  
<https://doi.org/10.1134/S1995078014020177>  
<https://link.springer.com/article/10.1134/S1995078014020177>

Abrey J. Yeo, Olivier J. Becherel, John E. Luff, Jason K. Cullen, Thidathip Wongsurawat, Piroon Jenjaroenpoon, Vladimir A. Kuznetsov, Peter J. McKinnon, Martin F. Lavin. R-Loops in Proliferating Cells but Not in the Brain: Implications for AOA2 and Other Autosomal Recessive Ataxias. *PLoS ONE* 9(3): e90219. doi:10.1371/journal.pone.0090219  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0090219>

Zhao Y, Liu Q, Sun H, Chen D, Li Z, Fan B, Julian George, Chengcheng Xue, Zhanfeng Cui, Junbo Wang, Jian Chen. (2016) Electrical Property Characterization of Neural Stem Cells in Differentiation. *PLoS ONE* 11(6): e0158044. <https://doi.org/10.1371/journal.pone.0158044>  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0158044>