RESEARCH ARTICLES

381 The neurotoxic effects of hydrogen peroxide and copper in Retzius nerve cells of the leech Haemopis sanguisuga
Jovanovic, Z. D., Stanojevic, M. B. and Nedeljkov, V. B.

389 Preparation, anti-biofouling and drag-reduction properties of a biomimetic shark skin surface
Pu, X., Li, G. and Huang, H.

397 Planar cell polarity: the Dachsous/Fat system contributes differently to the embryonic and larval stages of Drosophila
Saavedra, P., Brittle, A., Palacios, I. M., Strutt, D., Casal, J. and Lawrence, P. A.

409 Cross-species functional analyses reveal shared and separate roles for Sox11 in frog primary neurogenesis and mouse cortical neuronal differentiation
Chen, C., Jin, J., Lee, G. A., Silva, E. and Donoghue, M.

418 Establishment and evaluation of a transgenic mouse model of arthritis induced by overexpressing human tumor necrosis factor alpha
Li, G., Wu, Y., Jia, H., Tang, L., Huang, R., Peng, Y. and Zhang, Y.

424 The carboxyl terminal mutational hotspot of the ciliary disease protein RPGR\textsuperscript{ORF15} (retinitis pigmentosa GTPase regulator) is glutamylated in vivo

429 Sortilin is associated with the chlamydial inclusion and is modulated during infection
Teo, W. X., Kerr, M. C., Huston, W. M. and Teasdale, R. D.

436 Estimating energetics in cetaceans from respiratory frequency: why we need to understand physiology
Fahlman, A., van der Hoop, J., Moore, M. J., Levine, G., Rocho-Levine, J. and Brodsky, M.

443 Post-hatching development of mitochondrial function, organ mass and metabolic rate in two ectotherms, the American alligator (Alligator mississippiensis) and the common snapping turtle (Chelydra serpentina)

452 Dlc1 interaction with non-muscle myosin heavy chain II-A (Myh9) and Rac1 activation
Sabbir, M. G., Dillon, R. and Mowat, M. R. A.

461 A role for PDGF-C/PDGFR\alpha signaling in the formation of the meningea! basement membranes surrounding the cerebral cortex

475 Impact of bronchopulmonary dysplasia on brain and retina

484 Exosomes from high glucose-treated glomerular endothelial cells activate mesangial cells to promote renal fibrosis
Wu, X.-m, Gao, Y.-b, Cui, F.-q and Zhang, N.

492 Knockdown of TC-1 enhances radiosensitivity of non-small cell lung cancer via the Wnt/\beta\textcatenin pathway
Wu, D., Li, L. and Yan, W.

499 Association between tensin 1 and p130Cas at focal adhesions links actin inward flux to cell migration
Zhao, Z., Tan, S. H., Machiyama, H., Kawauchi, K., Araki, K., Hirata, H. and Sawada, Y.

507 Response of garlic (Allium sativum L.) bolting and bulbing to temperature and photoperiod treatments
Wu, C., Wang, M., Cheng, Z. and Meng, H.

519 Biosafety of biotechnologically important microalgae: intrinsic suicide switch implementation in cyanobacterium Synechocystis sp. PCC 6803
Čelešník, H., Tanšek, A., Tahirowić, A., Vižintin, A., Mustar, J., Vidmar, V. and Dolinar, M.

METHODS & TECHNIQUES

529 NGT-3D: a simple nematode cultivation system to study Caenorhabditis elegans biology in 3D
Lee, T. Y., Yoon, K.-h and Lee, J. I.