



Cover: Live imaging of the hindbrain of a zebrafish larva infected with Sindbis virus. Axons are stained with an anti-acetylated tubulin antibody (red); infected cells are stained with an anti-GFP antibody (white). The zebrafish is a useful model organism for *in vivo* studies of viral pathogenesis and neuroinvasion. See article by Passoni et al. on page 847. Cover image by Gabriella Passoni is licensed under a Creative Commons Attribution 4.0 International licence.

REVIEW

- 823** Cell models of arrhythmogenic cardiomyopathy: advances and opportunities
Sommariva, E., Stadiotti, I., Perrucci, G. L., Tondo, C. and Pompilio, G.

RESEARCH ARTICLES

- 837** A small-molecule TrkB ligand restores hippocampal synaptic plasticity and object location memory in Rett syndrome mice
Li, W., Bellot-Saez, A., Phillips, M. L., Yang, T., Longo, F. M. and Pozzo-Miller, L.
- 847** Imaging of viral neuroinvasion in the zebrafish reveals that Sindbis and chikungunya viruses favour different entry routes
Passoni, G., Langevin, C., Palha, N., Mounce, B. C., Briolat, V., Affaticati, P., De Job, E., Joly, J.-S., Vignuzzi, M., Saleh, M.-C., Herbolme, P., Boudinot, P. and Levraud, J.-P.
- 859** Viral delivery of *C9orf72* hexanucleotide repeat expansions in mice leads to repeat-length-dependent neuropathology and behavioural deficits
Herranz-Martin, S., Chandran, J., Lewis, K., Mulcahy, P., Higginbottom, A., Walker, C., Valenzuela, I. M.-P. Y., Jones, R. A., Coldicott, I., Iannitti, T., Akaaboune, M., El-Khamisy, S. F., Gillingwater, T. H., Shaw, P. J. and Azzouz, M.
- 869** Psoriasisiform skin disease in transgenic pigs with high-copy ectopic expression of human integrins $\alpha 2$ and $\beta 1$
Staunstrup, N. H., Stenderup, K., Mortensen, S., Primo, N. M., Rosada, C., Steiniche, T., Liu, Y., Li, R., Schmidt, M., Purup, S., Dagnæs-Hansen, F., Schrøder, L. D., Svensson, L., Petersen, T. K., Callesen, H., Bolund, L. and Mikkelsen, J. G.

- 881** Dynamic changes in the mouse skeletal muscle proteome during denervation-induced atrophy
Lang, F., Aravamudhan, S., Nolte, H., Türk, C., Höpfer, S., Müller, S., Günther, S., Blaauw, B., Braun, T. and Krüger, M.

- 897** A tripeptidyl peptidase 1 is a binding partner of the Golgi pH regulator (GPHR) in *Dictyostelium*
Stumpf, M., Müller, R., Gaßen, B., Wehrstedt, R., Fey, P., Karow, M. A., Eichinger, L., Glöckner, G. and Noegel, A. A.

RESOURCE ARTICLES

- 909** Generation of a multipurpose *Prdm16* mouse allele by targeted gene trapping
Strassman, A., Schnütgen, F., Dai, Q., Jones, J. C., Gomez, A. C., Pitstick, L., Holton, N. E., Moskal, R., Leslie, E. R., von Melchner, H., Beier, D. R. and Bjork, B. C.
- 923** Parallel imaging of *Drosophila* embryos for quantitative analysis of genetic perturbations of the Ras pathway
Goyal, Y., Levario, T. J., Mattingly, H. H., Holmes, S., Shvartsman, S. Y. and Lu, H.
- 931** An alternative surgical approach reduces variability following filament induction of experimental stroke in mice
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