RESEARCH ARTICLES

531 A role for planar cell polarity during early endoderm morphogenesis
Miles, L. B., Mizoguchi, T., Kikuchi, Y. and Verkade, H.

540 A novel proteolytic event controls Hedgehog intracellular sorting and distribution to receptive fields
Daniele, J. R., Chu, T. and Kunes, S.

551 Calpain mobilizes Atg9/Bif-1 vesicles from Golgi stacks upon autophagy induction by thapsigargin
Marcassa, E., Raimondi, M., Anwar, T., Eskelinen, E.-L., Myers, M. P., Triolo, G., Schneider, C. and Demarchi, F.

563 mTORC1 signalling mediates PI3K-dependent large lipid droplet accumulation in Drosophila ovarian nurse cells
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571 Sulphated glycosaminoglycans support an assortment of planarian rhabdite structures
Hayes, M. J.

582 Reduced β-catenin expression affects patterning of bone primordia, but not bone maturation
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589 Adhesion and friction of the smooth attachment system of the cockroach Gromphadorhina portentosa and the influence of the application of fluid adhesives

602 Mouse embryonic dorsal root ganglia contain pluripotent stem cells that show features similar to embryonic stem cells and induced pluripotent stem cells
Ogawa, R., Fujita, K. and Ito, K.

619 Investigation of span-chordwise bending anisotropy of honeybee forewings
Ning, J.G., Ma, Y., Ren, H.L. and Zhang, P.F.

625 Differences in swimming ability and its response to starvation among male and female Gambusia affinis
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633 Alteration of swing leg work and power during human accelerated sprinting
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642 Does air-breathing meet metabolic demands of the juvenile snakehead, Channa argus, in multiple conditions
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648 Do you see what I see? Optical morphology and visual capability of ‘disco’ clams (Ctenoides ales)

654 Cross-linking mass spectrometry identifies new interfaces of Augmin required to localise the γ-tubulin ring complex to the mitotic spindle

664 Trehalose metabolism genes of Aphelenchoides besseyi (Nematoda: Aphelenchoidea) in hypertonic osmotic pressure survival
Chen, Q., Li, D., Wang, F., Zhang, R. and Ling, Y.

METHODS & TECHNIQUES

673 Parallel in vivo monitoring of pH in gill capillaries and muscles of fishes using microencapsulated biomarkers
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678 Visualizing endoderm cell populations and their dynamics in the mouse embryo with a Hex-tdTomato reporter
Wu, T., Hadjantonakis, A.-K. and Nowotschin, S.

688 Modelling pulmonary microthrombosis coupled to metastasis: distinct effects of thrombogenesis on tumorigenesis

698 WRN conditioned media is sufficient for in vitro propagation of intestinal organoids from large farm and small companion animals
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706 Culture time of vitrified/warmed zygotes before microinjection affects the production efficiency of CRISPR-Cas9-mediated knock-in mice
Nakagawa, Y., Sakuma, T., Nishimichi, N., Yokosaki, Y., Takeo, T., Nakagata, N. and Yamamoto, T.

714 Analysis of axonal trafficking via a novel live-imaging technique reveals distinct hedgehog transport kinetics
Daniele, J. R., Baqri, R. M. and Kunes, S.