RESEARCH ARTICLES
1771 Testing a key assumption in animal communication: between-individual variation in female visual systems alters perception of male signals
1784 A computational study on the influence of insect wing geometry on bee flight mechanics
Feaster, J., Battaglia, F. and Bayandor, J.
1796 The addition of a developmental factor, unc-62, to already long-lived worms increases lifespan and healthspan
Sagi, D.
1802 Cohesin mediates Esco2-dependent transcriptional regulation in a zebrafish regenerating fin model of Roberts Syndrome
Banerji, R., Skibbens, R. V. and Iovine, M. K.
1814 Cell membrane disruption stimulates cAMP and Ca2+ signaling to potentiate cell membrane resealing in neighboring cells
Togo, T.
1820 Optogenetic activation of EphB2 receptor in dendrites induces actin polymerization by activating Arg kinase
Locke, C., Machida, K., Wu, Y. and Yu, J.
1831 Mitochondrial dynamics and respiration within cells with increased open pore cytoskeletal meshes
Jang, D. H., Seeger, S. C., Grady, M. E., Shofer, F. S. and Eckmann, D. M.
1840 The kinase domain residue serine 173 of Schizosaccharomyces pombe Chk1 kinase is critical for the response to DNA replication stress
Coulton, N. and Caspari, T.
1851 Regulation of cortical stability by Rhogef3 in mitotic Sensory Organ Precursor cells in Drosophila
Couturier, L., Mazouni, K., Bernard, F., Besson, C., Reynaud, E. and Schweisguth, F.
1861 Frizzled-7 is required for Xenopus heart development
Abu-Elmagd, M., Mulvaney, J. and Wheeler, G. N.
1876 Myotube migration to cover and shape the testis of Drosophila depends on Heartless, Cadherin/Catenin, and myosin II
Rothenbusch-Fender, S., Fritzén, K., Bischoff, M. C., Buttgerfeit, D., Oenel, S. F. and Renkawitz-Pohl, R.
1889 How does the canine paw pad attenuate ground impacts? A multi-layer cushion system
Miao, H., Fu, J., Qian, Z., Ren, L. and Ren, L.
1897 Elimination of classically-activated macrophages in tumor-conditioned medium by alternatively-activated macrophages
Lolo, F.-N., Rius, C. and Casas-Tintó, S.
1904 Transcriptome sequencing of the naked mole rat (Heterocephalus glaber) and identification of hypoxia tolerance genes
Xiao, B., Li, L., Xu, C., Zhao, S., Lin, L., Cheng, J., Yang, W., Cong, W., Kan, G. and Cui, S.
1913 Competitive pressures affect sexual signal complexity in Kurixalus odontotarsus: insights into the evolution of compound calls
Zhu, B., Wang, J., Sun, Z., Yang, Y., Wang, T., Brauth, S. E., Tang, Y. and Cui, J.
1919 Contextual interference during adaptation to asymmetric split-belt treadmill walking results in transfer of unique gait mechanics
Hinkel-Lipsker, J. W. and Hahn, M. E.
1933 FGF8 morphogen gradients are differentially regulated by heparan sulphotransferases Hs2st and Hs6st1 in the developing brain
Chan, W.-K., Price, D. J. and Pratt, T.
1943 High salinity conveys thermotolerance in the coral model Aiptasia
1949 Directional vibration sensing in the leafcutter ant Atta sexdens
Hager, F. A., Kirchner, L. and Kirchner, W. H.
1953 Investigating trehalose synthesis genes after cold acclimation in the Antarctic nematode Panagrolaimus sp. DAV1

METHODS & TECHNIQUES
1960 Quantitative control of mitochondria transfer between live single cells using a microfluidic device
Wada, K.-I., Hosokawa, K., Ito, Y. and Maeda, M.