**RESEARCH ARTICLES**

Modulation of mitochondrial nucleoid structure during aging and by mtDNA content in *Drosophila*

Wang, L., Hsu, T., Lin, H. and Fu, C.

miR-8b is involved in brain and eye regeneration of *Dugesia japonica* in head regeneration

Liu, H., Song, Q., Zhen, H., Deng, H., Zhao, B. and Cao, Z.

Altered germine cyst formation and oogenesis in *Tex14* mutant mice

Ikami, K., Nuzhat, N., Abbott, H., Pandoy, R., Haky, L., Spradling, A. C., Tanner, H. and Lei, L.

Tight junction stabilization prevents HepaRG cell death in drug-induced intrahepatic cholestasis

Sonoi, R. and Hagihara, Y.

Convergent acoustic community structure in South Asian dry and wet grassland birds

Lahiri, S., Pathaw, N. A. and Krishnan, A.

Heart rate and startle responses in diving, captive harbour porpoises (*Phocoena phocoena*) exposed to transient noise and sonar

Elmegaard, S. L., McDonald, B. I., Teilmann, J. and Madsen, P. T.

Associative learning in larval and adult *Drosophila* is impaired by the dopamine-synthesis inhibitor 3-Iodo-L-tyrosine

Thoener, J., König, C., Weiglein, A., Toshima, N., Mancini, N., Amin, F. and Schleyer, M.

The kidney of the *Nodularia* freshwater mussel has a larger filtration-size and counter-current system with improved water excretion compared with the seawater mussel *Mytilus*

Seo, E., Wakashin, H. and Seo, Y.

Exocrine pancreas proteases regulate β-cell proliferation in zebrafish ciliopathy models and in murine systems

Hostelley, T. L., Nesmith, J. E., Larkin, E., Jones, A., Boyes, D., Leitch, C. C., Fontaine, M. and Zaghloul, N. A.

Postnatal expression profiles of atypical cadherin FAT1 suggest its role in autism


MICAL-L1 is required for cargo protein delivery to the cell surface

Parkash, R., Lambhod, C. and Pathak, A.

Developmental and adult acclimation impact cold and drought survival of invasive tropical *Drosophila kikkawai*


**METHODS & TECHNIQUES**

Quantitative evaluation of individual food intake by insectivorous vespertilionid bats (*Chiroptera, Vespertilionidae*)

Moiseenko, M. and Vlaschenko, A.

**FIRST PERSON**

First person – Sutirtha Lahiri