



Cover: The word 'koliber' means hummingbird in Polish. This dorsal view of the *koliber* zebrafish mutant resembles a hummingbird in flight. See article by Anderson et al. (dmm042549). Cover image is licensed under a Creative Commons Attribution 4.0 International license.

EDITORIAL

Labs in the time of COVID: an early-career scientist's view

Chuang, L.-shiang

dmm046151

FIRST PERSON

First person – Alec Nickolls

dmm045724

First person – Sara Ibrahim

dmm045195

First person – Dimitrije Stanković

dmm045856

First person – Amélie Bacle

dmm045526

First person – Malabika Chakrabarti

dmm045179

REVIEWS

Precision-based modeling approaches for necrotizing enterocolitis

Kovler, M. L., Sodhi, C. P. and Hackam, D. J.

dmm044388

Understanding the impact of fibroblast heterogeneity on skin fibrosis

Griffin, M. F., desJardins-Park, H. E., Mascharak, S.,

Borrelli, M. R. and Longaker, M. T.

dmm044164

RESEARCH ARTICLES

A *Drosophila* model to study retinitis pigmentosa pathology associated with mutations in the core splicing factor Prp8

Stanković, D., Claudius, A.-K., Schertel, T., Bresser, T. and Uhlirva, M.

dmm043174

Zebrafish models of skeletal dysplasia induced by cholesterol biosynthesis deficiency

Anderson, R. A., Schwabach, K. T., Mui, S. R., LeClair, E. E., Topczewska, J. M. and Topczewski, J.

dmm042549

Extracellular matrix induced by steroids and aging through a G-protein-coupled receptor in a *Drosophila* model of renal fibrosis

Zheng, W., Ocorr, K. and Tatar, M.

dmm041301

Biomimetic device and foreign body reaction cooperate for efficient tumour cell capture in murine advanced ovarian cancer

Alonso-Alconada, L., de la Fuente, A., Santacana, M., Ferreiros, A., Lopez-Lopez, R., Matias-Guiu, X. and Abal, M.

dmm043653

A comprehensive study of phospholipid fatty acid rearrangements in metabolic syndrome: correlations with organ dysfunction

Bacle, A., Kadri, L., Khoury, S., Ferru-Clément, R., Faivre, J.-F., Cognard, C., Bescond, J., Krzesiak, A., Contzler, H., Delpech, N., Colas, J., Vandebrouck, C., Sébille, S. and Ferreira, T.

dmm043927

Targeted repression of *Plasmodium* apicortin by host microRNA impairs malaria parasite growth and invasion

Chakrabarti, M., Garg, S., Rajagopal, A., Pati, S. and Singh, S.

dmm042820

Frameshift mutations of *YPEL3* alter the sensory circuit function in *Drosophila*

Kim, J. H., Singh, M., Pan, G., Lopez, A., Zito, N., Bosse, B. and Ye, B.

dmm042390

RESOURCE ARTICLES

A novel Cre-enabled tetracycline-inducible transgenic system for tissue-specific cytokine expression in the zebrafish: CETI-PIC3

Ibrahim, S., Harris-Kawano, A., Haider, I., Mirmira, R. G., Sims, E. K. and Anderson, R. M.

dmm042556

Human embryoid bodies as a 3D tissue model of the extracellular matrix and α -dystroglycanopathies

Nickolls, A. R., Lee, M. M., Zukosky, K., Mallon, B. S. and Bönnemann, C. G.

dmm042986

Quantitative single-cell interactomes in normal and virus-infected mouse lungs

Cain, M. P., Hernandez, B. J. and Chen, J.

dmm044404