



Cover: 3D-printed feeding organ (radula) of the gastropod *Vittina* (powder-print), displaying tooth types with highly pronounced differences in shape and size. The radular movement of this and 19 other Molluscan species was documented in detail in a paper by Scheel et al., contributing to the topic of substrate-tooth interaction. Image licensed under a Creative Commons Attribution 4.0 International license.

EDITORIAL

Publishing ethics in the era of paper mills

Hackett, R. and Kelly, S.

bio056556

MEETING REVIEW

Shifting away from the business-as-usual approach to research conferences

Counsell, C. W. W., Elmer, F. and Lang, J. C.

bio056705

RESEARCH ARTICLES

Molecular determinants that govern scaRNA processing by Drosha/DGCR8

McLaurin, D. M., Logan, M. K., Lett, K. E. and Hebert, M. D.

bio054619

The Rab11 effectors Fip5 and Fip1 regulate zebrafish intestinal development

Jewett, C. E., Appel, B. H. and Prekeris, R.

bio055822

Not just scratching the surface: distinct radular motion patterns in Mollusca

Scheel, C., Gorb, S. N., Glaubrecht, M. and Krings, W.

bio055699

Age-dependent degeneration of an identified adult leg motor neuron in a *Drosophila* SOD1 model of ALS

Agudelo, A., St. Amand, V., Grissom, L., Lafond, D., Achilli, T., Sahin, A., Reenan, R. and Stilwell, G.

bio049692

'Whip from the hip': thigh angular motion, ground contact mechanics, and running speed

Clark, K. P., Meng, C. R. and Stearne, D. J.

bio053546

Osteogenic differentiation potential of porcine bone marrow mesenchymal stem cell subpopulations selected in different basal media

Kannan, S., Ghosh, J. and Dhara, S. K.

bio053280

Maternal glucocorticoid levels during incubation predict breeding success, but not reproductive investment, in a free-ranging bird

Fischer, D., Marrotte, R. R., Chin, E. H., Coulson, S. and Burness, G.

bio045898

De novo design, retrosynthetic analysis and combinatorial synthesis of a hybrid antiviral (VTAR-01) to inhibit the interaction of SARS-CoV2 spike glycoprotein with human angiotensin-converting enzyme 2

Tiwari, V.

bio054056

From pathogen to a commensal: modification of the *Microbacterium nematophilum*–*Caenorhabditis elegans* interaction during chronic infection by the absence of host insulin signalling

Gravato-Nobre, M., Hodgkin, J. and Ligoxygakis, P.

bio053504

Alpha-synuclein aggresomes inhibit ciliogenesis and multiple functions of the centrosome

Iqbal, A., Baldridge, M., Murdoch, J. N., Fleming, A. and Wilkinson, C. J.

bio054338

METHODS & TECHNIQUES

Quantitative analysis of subcellular distributions with an open-source, object-based tool

Ryder, P. V. and Lerit, D. A.

bio055228

A node-based informed modularity strategy to identify organizational modules in anatomical networks

Esteve-Altava, B.

bio056176

Quantifying *Drosophila* adults with the use of a smartphone

Karpova, E. K., Komyshev, E. G., Genaev, M. A., Adonyeva, N. V., Afonnikov, D. A., Eremina, M. A. and Grunenko, N. E.

bio054452

Stable integration of an optimized inducible promoter system enables spatiotemporal control of gene expression throughout avian development

Chu, D., Nguyen, A., Smith, S. S., Vavrušová, Z. and Schneider, R. A.

bio055343

FIRST PERSON

First person – Pearl Ryder

bio057026

First person – Anthony Agudelo

bio057216

First person – Evgeniya Karpova and Evgenii Komyshev

bio056622

PUBLISHER'S NOTES

Expression of Concern: Downregulated brain and muscle aryl hydrocarbon receptor nuclear translocator-like protein-1 inhibits osteogenesis of BMSCs through p53 in type 2 diabetes mellitus

Mao, X., Li, X., Hu, W., Hao, S., Yuan, Y., Guan, L. and Guo, B.

bio055525

Expression of Concern: Overexpression of Wnt7a enhances radiosensitivity of non-small-cell lung cancer via the Wnt/JNK pathway

Ai, P., Xu, X., Xu, S., Wei, Z., Tan, S. and Li, J.

bio054924