



Cover: The image above captures a snapshot of the components of male reproductive system in *Drosophila* midway through their pupal development, from the paper by Jaya Kumari and Pradip Sinha. The paired testes are at the top (marked by En, red), which connect to paired seminal vesicles SV (GFP, green), opening into a central unpaired ejaculatory duct ED (GFP, green). Male Accessory Gland (MAG; GFP, green) is seen as two flap-like horizontal tubes that connect to the ED. In adults, SV and MAG periodically empty their contents, sperms and seminal fluid, respectively, into the ED. In this issue, Kumari and Sinha examine if developmental design of MAG parallels those of their mammalian counterpart, the prostate. Image licensed under a Creative Commons Attribution 4.0 International license.

FUTURE LEADER REVIEWS

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Tan, E. J. and Elgar, M. A.

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RESEARCH ARTICLES

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Yoo, B., Kim, H., Chen, X., Shen, W., Jang, J. S., Stein, S. N., Cormier, O., Pereira, L., Shih, C. R. Y., Krieger, C., Reed, B., Harden, N. and Wang, S. J. H.

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Developmental expression patterns of toolkit genes in male accessory gland of *Drosophila* parallels those of mammalian prostate

Kumari, J. and Sinha, P.

bio058722

A mouse model displays host and bacterial strain differences in *Aerococcus urinae* urinary tract infection

Gilbert, N. M., Choi, B., Du, J., Collins, C., Lewis, A. L., Putonti, C. and Wolfe, A. J.

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Twitchy, the *Drosophila* orthologue of the ciliary gating protein FBF1/dyf-19, is required for coordinated locomotion and male fertility

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Skåra, K. H., Bech, C., Fjellidal, M. A., van der Kooij, J., Sørås, R. and Stawski, C.

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METHODS & TECHNIQUES

Targeted mass spectrometry for monitoring of neural differentiation

Sucha, R., Kubickova, M., Cervenka, J., Hruska-Plochan, M., Bohaciakova, D., Vodickova Kepkova, K., Novakova, T., Budkova, K., Susor, A., Marsala, M., Motlik, J., Kovarova, H. and Vodicka, P.

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Future leader to watch – Eunice Tan

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FIRST PERSON

First person – Karoline Skåra

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First person – Jaya Kumari

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