MEETING REVIEW

1819 Wiring the nervous system: from form to function
Matsuzaki, F. and Sampath, K.

PRIMER

1823 Meiotic sex chromosome inactivation
Turner, J. M. A.

RESEARCH ARTICLES

1833 Selective requirements for NRP1 ligands during neurovascular patterning
Vieira, J. M., Schwarz, Q. and Ruhrberg, C.

1845 Nab controls the activity of the zinc-finger transcription factors Squeeze and Rotund in *Drosophila* development
Terriente Félix, J., Magariños, M. and Diaz-Benjumea, F. J.

1853 Akt mediates self-renewal division of mouse spermatogonial stem cells

1861 Dynamic Decapentaplegic signaling regulates patterning and adhesion in the *Drosophila* pupal retina

1873 *pygopus* 2 has a crucial, Wnt pathway-independent function in lens induction
Song, N., Schwab, K. R., Patterson, L. T., Yamaguchi, T., Lin, X., Potter, S. S. and Lang, R. A.

1887 A crucial role for Olig2 in white matter astrocyte development

1901 Specification of *Arabidopsis* floral meristem identity by repression of flowering time genes
Liu, C., Zhou, J., Bracha-Drori, K., Yalovsky, S., Ito, T. and Yu, H.

1911 Notch signaling regulates neural precursor allocation and binary neuronal fate decisions in zebrafish
Shin, J., Poling, J., Park, H.-C. and Appel, B.

1921 Na,K-ATPase \( \alpha 2 \) and Ncx4a regulate zebrafish left-right patterning

1931 *Arabidopsis* homologs of components of the SWR1 complex regulate flowering and plant development
Choi, K., Park, C., Lee, J., Oh, M., Noh, B. and Lee, I.

1943 Mitotic spindle orientation distinguishes stem cell and terminal modes of neuron production in the early spinal cord
Wilcock, A. C., Swedlow, J. R. and Storey, K. G.

1955 A Dynein-dependent shortcut rapidly delivers axis determination transcripts into the *Drosophila* oocyte
Clark, A., Meignin, C. and Davis, I.

1967 Tailbud-derived mesenchyme promotes urinary tract segmentation via BMP4 signaling
Brenner-Anantharam, A., Cebrian, C., Guillaume, R., Hurtado, R., Sun, T.-T. and Herzlinger, D.
1977  Genomic characterization of Gli-activator targets in sonic hedgehog-mediated neural patterning

DEVELOPMENT AND DISEASE
1991  Foxp2 and Foxp1 cooperatively regulate lung and esophagus development

In Arabidopsis, ap1-1 mutant flowers are transformed into shoot-like structures. This phenotype is rescued (as shown) when the flowering time gene agl24-1 is also mutated. As Liu et al. discuss, in Arabidopsis, the floral meristem identity gene APETALA1 (AP1) specifies floral meristems on apical meristem flanks. See research article on p. 1901.