**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 α2 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.