



Cover: *Lim1*-directed *lacZ* expression highlights developing nephrons (the functional unit of the kidney, blue dots) in the metanephros (the definitive kidney of amniotes) of neonate mice. See article by Kobayashi et al. on p. 2809.

Meeting review

Hay, A. and Tsiantis, M.

From genes to plants via meristems

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Review

Tapscott, S. J.

The circuitry of a master switch: Myod and the regulation of skeletal muscle gene transcription

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Research articles

Singh, M. K., Christoffels, V. M., Dias, J. M., Trowe, M.-O., Petry, M., Schuster-Gossler, K., Bürger, A., Ericson, J. and Kispert, A.

Tbx20 is essential for cardiac chamber differentiation and repression of *Tbx2*

2697-2707

Helms, A. W., Battiste, J., Henke, R. M., Nakada, Y., Simplicio, N., Guillemot, F. and Johnson, J. E.

Sequential roles for *Mash1* and *Ngn2* in the generation of dorsal spinal cord interneurons

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Wang, T.-W., Zhang, H. and Parent, J. M.

Retinoic acid regulates postnatal neurogenesis in the murine subventricular zone-olfactory bulb pathway

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Suri, C., Haremaiki, T. and Weinstein, D. C.

Xema, a *foxi*-class gene expressed in the gastrula stage *Xenopus* ectoderm, is required for the suppression of mesendoderm

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Abrams, E. W. and Andrew, D. J.

CrebA regulates secretory activity in the *Drosophila* salivary gland and epidermis

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Kubo, F., Takeichi, M. and Nakagawa, S.

Wnt2b inhibits differentiation of retinal progenitor cells in the absence of Notch activity by downregulating the expression of proneural genes

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Pauli, T., Seimiya, M., Blanco, J. and Gehring, W. J.

Identification of functional *sine oculis* motifs in the autoregulatory element of its own gene, in the *eyeless* enhancer and in the signalling gene *hedgehog*

2771-2782

Matsuda, Y., Wakamatsu, Y., Kohyama, J., Okano, H., Fukuda, K. and Yasugi, S.

Notch signaling functions as a binary switch for the determination of glandular and luminal fates of endodermal epithelium during chicken stomach development

2783-2793

Chatterjee, I., Richmond, A., Putiri, E., Shakes, D. C. and Singson, A.

The *Caenorhabditis elegans spe-38* gene encodes a novel four-pass integral membrane protein required for sperm function at fertilization

2795-2808

Kobayashi, A., Kwan, K.-M., Carroll, T. J., McMahon, A. P., Mendelsohn, C. L. and Behringer, R. R.

Distinct and sequential tissue-specific activities of the LIM-class homeobox gene *Lim1* for tubular morphogenesis during kidney development

2809-2823

Tao, Q., Lloyd, B., Lang, S., Houston, D., Zorn, A. and Wylie, C.

A novel G protein-coupled receptor, related to GPR4, is required for assembly of the cortical actin skeleton in early *Xenopus* embryos

2825-2836

Maddox, A. S., Habermann, B., Desai, A. and Oegema, K.

Distinct roles for two *C. elegans* anillin in the gonad and early embryo

2837-2848

Field, C. M., Coughlin, M., Doberstein, S., Marty, T. and Sullivan, W.

Characterization of *anillin* mutants reveals essential roles in septin localization and plasma membrane integrity

2849-2860

McNulty, C. L., Peres, J. N., Bardine, N., van den Akker, W. M. R. and Durston, A. J.

Knockdown of the complete Hox paralogous group 1 leads to dramatic hindbrain and neural crest defects

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Resta, V., Novelli, E., Di Virgilio, F. and Galli-Resta, L.

Neuronal death induced by endogenous extracellular ATP in retinal cholinergic neuron density control

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Wang, W. and Struhl, G.

Distinct roles for Mind bomb, Neuralized and Epsin in mediating DSL endocytosis and signaling in *Drosophila*

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Pappu, K. S., Ostrin, E. J., Middlebrooks, B. W., Sili, B. T., Chen, R., Atkins, M. R., Gibbs, R. and Mardon, G.

Dual regulation and redundant function of two eye-specific enhancers of the *Drosophila* retinal determination gene *dachshund*

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Broun, M., Gee, L., Reinhardt, B. and Bode, H. R.

Formation of the head organizer in hydra involves the canonical Wnt pathway

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Research article: Development and disease

Zhao, C., Avilés, C., Abel, R. A., Almli, C. R., McQuillen, P. and Pleasure, S. J.

Hippocampal and visuospatial learning defects in mice with a deletion of frizzled 9, a gene in the Williams syndrome deletion interval

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Erratum

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