



Cover: Human pluripotent stem cell-derived micro-organoids generated using suspension culture from a SOX17mCherry reporter line. Staining shows the presence of endothelium (SOX17, Cherry fluorescence), podocytes (NPHS1, purple), nephron tubules (EpCAM, green) and proximal tubules (LTL, blue). See Research article by Kumar et al. (dev172361).

INTERVIEW

The people behind the papers – Sungwook Choi
dev177246

PRIMER

The diverse neural crest: from embryology to human pathology
Etchevers, H. C., Dupin, E. and Le Douarin, N. M.
dev169821

REVIEW

Brassinosteroid signaling in plant development and adaptation to stress
Planas-Riverola, A., Gupta, A., Betegón-Putze, I., Bosch, N., Ibañes, M. and Caño-Delgado, A. I.
dev151894

HUMAN DEVELOPMENT

Kidney micro-organoids in suspension culture as a scalable source of human pluripotent stem cell-derived kidney cells
Kumar, S. V., Er, P. X., Lawlor, K. T., Motazedian, A., Scurr, M., Ghobrial, I., Combes, A. N., Zappia, L., Oshlack, A., Stanley, E. G. and Little, M. H.
dev172361

The lineage-specific transcription factor CDX2 navigates dynamic chromatin to control distinct stages of intestine development
Kumar, N., Tsai, Y.-H., Chen, L., Zhou, A., Banerjee, K. K., Saxena, M., Huang, S., Toke, N. H., Xing, J., Shivdasani, R. A., Spence, J. R. and Verzi, M. P.
dev172189

RESEARCH REPORTS

Rho-of-plant activated root hair formation requires *Arabidopsis YIP4alb* gene function
Gendre, D., Baral, A., Dang, X., Esnay, N., Boutté, Y., Stanislas, T., Vain, T., Claverol, S., Gustavsson, A., Lin, D., Grebe, M. and Bhalerao, R. P.
dev168559

Alternative use of miRNA-biogenesis co-factors in plants at low temperatures

Ré, D. A., Lang, P. L. M., Yones, C., Arce, A. L., Stegmayer, G., Milone, D. and Manavella, P. A.
dev172932

RESEARCH ARTICLES

The *C. elegans* heterochronic gene *lin-28* coordinates the timing of hypodermal and somatic gonadal programs for hermaphrodite reproductive system morphogenesis
Choi, S. and Ambros, V.
dev164293

Lmx1a drives Cux2 expression in the cortical hem through activation of a conserved intronic enhancer
Fregoso, S. P., Dwyer, B. E. and Franco, S. J.
dev170068

Trans-splicing of the *C. elegans let-7* primary transcript developmentally regulates *let-7* microRNA biogenesis and *let-7* family microRNA activity
Nelson, C. and Ambros, V.
dev172031

Termite soldier mandibles are elongated by *dachshund* under hormonal and Hox gene controls
Sugime, Y., Oguchi, K., Gotoh, H., Hayashi, Y., Matsunami, M., Shigenobu, S., Koshikawa, S. and Miura, T.
dev171942

TECHNIQUES AND RESOURCES

Generating intravital super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons
Zhang, Y., Nichols, E. L., Zellmer, A. M., Guldner, I. H., Kankel, C., Zhang, S., Howard, S. S. and Smith, C. J.
dev171512