



Cover: Longitudinal section of adult sciatic nerve from a *P0-CreER^{T2}:Confetti* mouse in which myelinating Schwann cells were labelled with Confetti fluorophores. Long-term labelling studies have shown that these cells do not turnover in the adult but, following nerve injury, can efficiently re-enter the cell cycle and convert to the progenitor-like Schwann cells that orchestrate peripheral nerve regeneration. See Research article by Stierli et al. (dev170316).

INTERVIEWS

The people behind the papers – Daniela Chavez and Gillian Stanfield

dev174649

The people behind the papers – Salome Stierli and Alison Lloyd

dev173948

REVIEW

Genetic and epigenetic regulation of cardiomyocytes in development, regeneration and disease

Cui, M., Wang, Z., Bassel-Duby, R. and Olson, E. N.

dev171983

STEM CELLS AND REGENERATION

The regulation of the homeostasis and regeneration of peripheral nerve is distinct from the CNS and independent of a stem cell population

Stierli, S., Napoli, I., White, I. J., Cattin, A.-L., Monteza Cabrejos, A., Garcia Calavia, N., Malong, L., Ribeiro, S., Nihouarn, J., Williams, R., Young, K. M., Richardson, W. D. and Lloyd, A. C.

dev170316

RESEARCH REPORT

Conserved regulation of Nodal-mediated left-right patterning in zebrafish and mouse

Montague, T. G., Gagnon, J. A. and Schier, A. F.

dev171090

RESEARCH ARTICLES

Development of migrating tendon-bone attachments involves replacement of progenitor populations

Felsenthal, N., Rubin, S., Stern, T., Krief, S., Pal, D., Pryce, B. A., Schweitzer, R. and Zelzer, E.

dev165381

Conserved regulatory state expression controlled by divergent developmental gene regulatory networks in echinoids

Erkenbrack, E. M., Davidson, E. H. and Peter, I. S.

dev167288

Soma-germ line interactions and a role for muscle in the regulation of *C. elegans* sperm motility

Chavez, D. R., Snow, A. K., Smith, J. R. and Stanfield, G. M.

dev167734

Spatial and temporal inhibition of FGFR2b ligands reveals continuous requirements and novel targets in mouse inner ear morphogenesis

Urness, L. D., Wang, X., Doan, H., Shumway, N., Noyes, C. A., Gutierrez-Magana, E., Lu, R. and Mansour, S. L.

dev170142

The microRNAs let-7 and miR-278 regulate insect metamorphosis and oogenesis by targeting the juvenile hormone early-response gene *Krüppel-homolog 1*

Song, J., Li, W., Zhao, H., Gao, L., Fan, Y. and Zhou, S.

dev170670

The polarity protein VANG-1 antagonizes Wnt signaling by facilitating Frizzled endocytosis

He, C.-W., Liao, C.-P., Chen, C.-K., Teulière, J., Chen, C.-H. and Pan, C.-L.

dev168666

The zinc-finger transcription factor GLI3 is a regulator of precerebellar neuronal migration

Martinez-Chavez, E., Scheerer, C., Wizenmann, A. and Blaess, S.

dev166033

Zinc deficiency causes neural tube defects through attenuation of p53 ubiquitylation

Li, H., Zhang, J. and Niswander, L.

dev169797

Protein association changes in the Hedgehog signaling complex mediate differential signaling strength

Giordano, C., Ruel, L., Poux, C. and Therond, P.

dev166850

The RhoGEF protein Plekhg5 regulates apical constriction of bottle cells during gastrulation

Popov, I. K., Ray, H. J., Skoglund, P., Keller, R. and Chang, C.

dev168922

Spatiotemporal control of axillary meristem formation by interacting transcriptional regulators

Zhang, C., Wang, J., Wenkel, S., Chandler, J. W., Werr, W. and Jiao, Y.

dev158352

A simplified mechanism for anisotropic constriction in *Drosophila* mesoderm

Dobrovinski, K., Tchoufag, J. and Mandadapu, K.

dev167387