



Cover: Partially rescued adult zebrafish pigmentation mutants displaying pigment cell clones upon transplantation at blastula stages. Mutants in which one type of pigment cell is missing, such as *fms* (top) or *nac* (bottom), normally also lack a striped adult pattern. See article by Maderspacher and Nüsslein-Volhard on p. 3447.

Research Articles

- Marino, S., Hoogervorst, D., Brandner, S. and Berns, A.**
Rb and p107 are required for normal cerebellar development and granule cell survival but not for Purkinje cell persistence 3359-3368
- Aspöck, G., Ruvkun, G. and Bürglin, T. R.**
The *Caenorhabditis elegans* *ems* class homeobox gene *ceh-2* is required for M3 pharynx motoneuron function 3369-3378
- Wright, T. J. and Mansour, S. L.**
Fgf3 and *Fgf10* are required for mouse otic placode induction 3379-3390
- Sacks, L. D., Cann, G. M., Nikovits, W., Jr, Conlon, S., Espinoza, N. R. and Stockdale, F. E.**
Regulation of myosin expression during myotome formation 3391-3402
- Bobola, N., Carapuço, M., Ohnemus, S., Kanzler, B., Leibbrandt, A., Neubüser, A., Drouin, J. and Mallo, M.**
Mesenchymal patterning by *Hoxa2* requires blocking Fgf-dependent activation of *Ptx1* 3403-3414
- Hadchouel, J., Carvajal, J. J., Daubas, P., Bajard, L., Chang, T., Rocancourt, D., Cox, D., Summerbell, D., Tajbakhsh, S., Rigby, P. W. J. and Buckingham, M.**
Analysis of a key regulatory region upstream of the *Myf5* gene reveals multiple phases of myogenesis, orchestrated at each site by a combination of elements dispersed throughout the locus 3415-3426
- Lyons, D. A., Guy, A. T. and Clarke, J. D. W.**
Monitoring neural progenitor fate through multiple rounds of division in an intact vertebrate brain 3427-3436
- Liu, J.-H., König, S., Michel, M., Arnaudeau, S., Fischer-Lougheed, J., Bader, C. R. and Bernheim, L.**
Acceleration of human myoblast fusion by depolarization: graded Ca^{2+} signals involved 3437-3446
- Maderspacher, F. and Nüsslein-Volhard, C.**
Formation of the adult pigment pattern in zebrafish requires *leopard* and *obelix* dependent cell interactions 3447-3457
- Kritikou, E. A., Sharkey, A., Abell, K., Came, P. J., Anderson, E., Clarkson, R. W. E. and Watson, C. J.**
A dual, non-redundant, role for LIF as a regulator of development and STAT3-mediated cell death in mammary gland 3459-3468
- McDonald, J. A., Pinheiro, E. M. and Montell, D. J.**
PVF1, a PDGF/VEGF homolog, is sufficient to guide border cells and interacts genetically with Taiman 3469-3478
- Rintelen, F., Hafen, E. and Nairz, K.**
The *Drosophila* dual-specificity ERK phosphatase DMKP3 cooperates with the ERK tyrosine phosphatase PTP-ER 3479-3490
- Lawson, A. and Schoenwolf, G. C.**
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- Anakwe, K., Robson, L., Hadley, J., Buxton, P., Church, V., Allen, S., Hartmann, C., Harfe, B., Nohno, T., Brown, A. M. C., Evans, D. J. R. and Francis-West, P.**
Wnt signalling regulates myogenic differentiation in the developing avian wing 3503-3514
- Fischer, S., Draper, B. W. and Neumann, C. J.**
The zebrafish *fgf24* mutant identifies an additional level of Fgf signaling involved in vertebrate forelimb initiation 3515-3524
- Ma, L., Lei, L., Eng, S. R., Turner, E. and Parada, L. F.**
Brn3a regulation of TrkA/NGF receptor expression in developing sensory neurons 3525-3534
- Holm, P. C., Rodríguez, F. J., Kresse, A., Canals, J. M., Silos-Santiago, I. and Arenas, E.**
Crucial role of TrkB ligands in the survival and phenotypic differentiation of developing locus coeruleus noradrenergic neurons 3535-3545
- Park, F. D. and Priess, J. R.**
Establishment of POP-1 asymmetry in early *C. elegans* embryos 3547-3556
- Sears, H. C., Kennedy, C. J. and Garrity, P. A.**
Macrophage-mediated corpse engulfment is required for normal *Drosophila* CNS morphogenesis 3557-3565

Development and Disease

- Bachiller, D., Klingensmith, J., Shneyder, N., Tran, U., Anderson, R., Rossant, J. and De Robertis, E. M.**
The role of chordin/Bmp signals in mammalian pharyngeal development and DiGeorge syndrome 3567-3578
- Atchison, F. W., Capel, B. and Means, A. R.**
Pin1 regulates the timing of mammalian primordial germ cell proliferation 3579-3586
- Erratum** 3587



Supplemental data available online