

Contents

Volume 108 (3) 1990

ESSAY IN DEVELOPMENT

- Davidson, E. H.**
How embryos work: a comparative view of
diverse modes of cell fate specification 365

CONTRIBUTED PAPERS

- Zusman, S., Patel-King, R. S.,
French-Constant, C. and Hynes, R. O.**
Requirements for integrins during *Drosophila*
development 391

- Livingston, B. T. and Wilt, F. H.**
Range and stability of cell fate determination in
isolated sea urchin blastomeres 403

- Awgulewitsch, A. and Jacobs, D.**
Differential expression of Hox3.1 protein in
subregions of the embryonic and adult spinal cord 411

- Duband, Dr J.-L. and Thiery, Dr J. P.**
Spatial and temporal distribution of vinculin and
talin in migrating avian neural crest cells and their
derivatives 421

- Puschel, A. W., Balling, R. and Gruss, P.**
Position-specific activity of the Hox1.1 promoter
in transgenic mice 435

- Felsenfeld, A. L., Walker, C., Westerfield, M.,
Kimmel, C. and Streisinger, G.**
Mutations affecting skeletal muscle myofibril
structure in the zebrafish 443

- Sater, A. K. and Jacobson, A. G.**
The role of the dorsal lip in the induction of heart
mesoderm in *Xenopus laevis* 461

- Oudejans, C. B. M., Pannese, M., Simeone, A.,
Meijer, C. J. L. M. and Boncinelli, E.**
The three most downstream genes of the Hox-3
cluster are expressed in human extraembryonic
tissues including trophoblast of androgenetic
origin 471

- Griffith, C. M. and Wiley, M. J.**
Sialoconjugates and development of the tail bud 479

- Spaventi, R., Antica, M. and Pabelić, K.**
Insulin and insulin-like growth factor I (IGF I) in
early mouse embryogenesis 491

- Kaster, W. H., Watson, C. A.
and Berry, S. J. S. J.**
Maternal messenger RNA distribution in silkworm
eggs. I. Clone Ec4B is associated with the cortical
cytoskeleton 497

- Robert, J., Wolff, J., Jijakli, H., Graf, J.-D.,
Karch, F. and Kobel, H. R.**
Developmental expression of the creatine kinase
isozyme system of *Xenopus*: maternally derived
CK-IV isoform persists far beyond the
degradation of its maternal mRNA and into the
zygotic expression period 507

- Colello, R. J. and Guillery, R. W.**
The early development of retinal ganglion cells
with uncrossed axons in the mouse: retinal
position and axonal course 515