

Contents

Volume 100 (3) 1987

ESSAY IN DEVELOPMENT

- Hedgecock, E. M., Culotti, J. G., Hall, D. H. and Stern, B. D.**
Genetics of cell and axon migrations in *Caenorhabditis elegans* 365

CONTRIBUTED PAPERS

- Ross, J. J., Duxson, M. J. and Harris, A. J.**
Formation of primary and secondary myotubes in rat lumbrical muscles 383

- Ross, J. J., Duxson, M. J. and Harris, A. J.**
Neural determination of muscle fibre numbers in embryonic rat lumbrical muscles 395

- Straznicky, C. and Chehade, M.**
The formation of the area centralis of the retinal ganglion cell layer in the chick 411

- Sakakura, T., Kusano, I., Kusakabe, M., Inaguma, Y. and Nishizuka, Y.**
Biology of mammary fat pad in fetal mouse: capacity to support development of various fetal epithelia *in vivo* 421

- Ellington, S. K. L.**
In vitro analysis of glucose metabolism and embryonic growth in postimplantation rat embryos 431

- O'Neill, G. T. and Kaufman, M. H.**
Cytogenetic analysis of first cleavage fertilized mouse eggs following *in vivo* exposure to ethanol shortly before and at the time of conception 441

- Kenny-Mobbs, T. and Thorogood, P.**
Autonomy of differentiation in avian brachial somites and the influence of adjacent tissues 449

- Andrews, G. K., Huet, Y. M., Lehman, L. D. and Dey, S. K.**
Metallothionein gene regulation in the preimplantation rabbit blastocyst 463

- Lesimple, M., Dournon, C., Labrousse, M. and Houillon, Ch.**
Production of fertile salamanders by transfer of germ cell nuclei into eggs 471

- Stephens, N. and Holder, N.**
The pattern of innervation in serially duplicated axolotl limbs: further evidence for the existence of local pathway cues? 479

- Pigott, R. and Davies, A. M.**
The monoclonal antibody 69A1 recognizes an epitope found on neurones with axons that fasciculate but not on those with non-fasciculating processes 489

- Kitamura, K.**
The structure and distribution of proteochondroitin sulphate during the formation of chick embryo feather germs 501

- Shiokawa, K., Fu, Y., Kawazoe, Y. and Yamana, K.**
Mode of action of ammonia and amine on rRNA synthesis in *Xenopus laevis* embryonic cells 513

- Lim, T. M., Lunn, E. R., Keynes, R. J. and Stern, C. D.**
The differing effects of occipital and trunk somites on neural development in the chick embryo 525

- Schmidt, G. H., Blount, M. A. and Ponder, B. A. J.**
Immunochemical demonstration of the clonal organization of chimaeric mouse epidermis 535

- Klymkowsky, M. W., Maynell, L. A. and Polson, A. G.**
Polar asymmetry in the organization of the cortical cyokeratin system of *Xenopus laevis* oocytes and embryos 543