## Contents

**Volume 101 (1) 1987**

### ESSAY IN DEVELOPMENT

**Akam, M.**

The molecular basis for metameric pattern in *Drosophila* embryo 1

### CONTRIBUTED PAPERS

**Jones, E. A. and Woodland, H. R.**

The development of animal cap cells in *Xenopus*: the effects of environment on the differentiation and the migration of grafted ectodermal cells 23

**Geysen, J., Cardoen, J. and De Loof, A.**

Distribution of yolk polypeptides in the follicle cells during the differentiation of the follicular epithelium in *Sarcophaga bullata* egg follicles 33

**Kessel, J. and Fabian, B.**

Inhibitory and stimulatory influences on mesodermal erythropoiesis in the early chick blastoderm 45

**Gaunt, S. J.**

Homoeobox gene *Hox-1.5* expression in mouse embryos: earliest detection by *in situ* hybridization is during gastrulation 51

**Ylikomi, T., Gasc, J.-M., Tuohimaa, P. and Baulieu, E.-E.**

Ontogeny of oestrogen-sensitive mesenchymal cells in the bursa of Fabricius of the chick embryo. An immunohistochemical study on progesterone receptor 61

**Nagy, A., Páldi, A., Dezso, L., Varga, L. and Magyar, A.**

Prenatal fate of parthenogenetic cells in mouse aggregation chimaeras 67

**Smith, E. P., Sadler, T. W. and D’Ercole, A. J.**

Somatomedin/insulin-like growth factors, their receptors and binding proteins are present during mouse embryogenesis 73

**Brower, D. L.**

*Ultrabithorax* gene expression in *Drosophila* imaginal discs and larval nervous system 83

### Contributed Papers

**Condie, B. G. and Harland, R. M.**

Posterior expression of a homeobox gene in early *Xenopus* embryos 93

**Ruzdijic, S. and Pederson, T.**

Evidence for an association between U1 RNA and interspersed repeat single-copy RNAs in the cytoplasm of sea urchin eggs 107

**Casanova, J. and White, R. A. H.**

Trans-regulatory functions in the *Abdominal-B* gene of the bithorax complex 117

**Harris, W. A., Holt, C. E. and Bonhoeffer, F.**

Retinal axons with and without their somata, growing to and arborizing in the tectum of *Xenopus* embryos: a time-lapse video study of single fibres *in vivo* 123

**Tiong, S. Y. K., Whittle, J. R. S. and Gribbin, M. C.**

Chromosomal continuity in the abdominal region of the bithorax complex of *Drosophila* is not essential for its contribution to metameric identity 135

**Cockroft, D. L. and Gardner, R. L.**

Clonal analysis of the developmental potential of 6th and 7th day visceral endoderm cells in the mouse 143

**Hughes, S. M. and Raff, M. C.**

An inducer protein may control the timing of fate switching in a bipotential glial progenitor cell in rat optic nerve 157

**Noguchi, T., Fukumoto, H., Mishina, Y. and Obinata, M.**

Factors controlling induction of commitment of murine erythroleukemia (TSA8) cells to CFU-E (colony forming unit—erythroid) 169

**Beck, F., Samani, N. J., Penschow, J. D., Thorley, B., Tregear, G. W. and Coghlan, J. P.**

Histochemical localization of IGF-I and -II mRNA in the developing rat embryo 175