Subject Index

Amphibia
  gastrulation events in various Anura: DETTLAFF 67

Amputation
  effects on denervated forelimbs of adult newt: LIVERSAGE & MCLAUGHLIN 1

Animal–vegetal axis
  relationship to first cleavage plane in starfish embryos: KOMINAMI 87

Asterina pectinifera (See Starfish)

Autoradiography
  of postnatal rat retinal pigment epithelium: STROEVA & PANOVA 271

Axis
  orientation in chick embryos – influence of hypoblast: MITRANI, SHIMONI & EYAL-GILADI 21

Beta cell
  proliferation in organ cultures of foetal rat pancreases: KAUNG 303

Blastema
  formation and cell division during cockroach limb regeneration: TRUBY 151

Cell cycle
  in postnatal rat retinal epithelium: STROEVA & PANOVA 271

Cell division
  during cockroach limb regeneration: TRUBY 151

Cell surface
  of rat egg after fertilization – study using monoclonal antibody: GAUNT 259

Chaetopterus
  egg localization of messenger RNA in cortex: JEFFERY & WILSON 225

Chick
  embryo
    epithelio-mesenchymal interaction during neural crest differentiation: SMITH & THOROGOOD 165
    growth and morphogenesis of the fibula: ARCHER, HORNBRUCH & WOLPERT 101
    hypoblastic influence on epiblast: MITRANI, SHIMONI & EYAL-GILADI 21

Chondrogenesis
  in fibula of chick embryo: ARCHER, HORNBRUCH & WOLPERT 101
  of neural crest cells in chick embryos: SMITH & THOROGOOD 165

Chordamesoderm layers
  potencies and prospective fate during amphibian gastrulation: DETTLAFF 67

Cleavage plane
  relationship between first cleavage plane and embryonic axis: KOMINAMI 87

Cockroach
  blastema formation and cell division during limb regeneration: TRUBY 151

Compaction
  -induced developmental arrest of pre-implantation mouse embryos: SURANI, KIMBER & OSBORN 205

Cortex
  of Chaetopterus eggs – localization of messenger RNA: JEFFERY & WILSON 225

Cytochalasin B
  effect on wound healing in Xenopus egg cortex: MERRIAM & CHRISTENSEN 11

Denervation
  and the effects of delayed amputation on adult newt limbs: LIVERSAGE & MCLAUGHLIN 1

Dictyostelium discoideum
  proportion regulation without pattern formation: OYAMA, OKAMOTO & TAKEUCHI 293

Dopa reaction
  during melanophore differentiation and pattern formation in Xenopus: OHSGU & IDE 141

Dorsoventral axis
  relationship to first cleavage plane in starfish embryos: KOMINAMI 87

doublesex dominant (dsx^D)
  mutant in Drosophila and synthesis of yolk proteins: BOWNES, DEMPSTER & BLAIR 241

Drosophila melanogaster
  expression of yolk-protein genes in doublesex dominant mutant: BOWNES, DEMPSTER & BLAIR 241
Subject Index

Ectodermal layers
potencies and prospective fate during amphibian gastrulation: Dettlaff 67

Egg cortex
wound healing and structural stability in Xenopus: Merriam & Christensen 11

Egg cylinder
of mouse – histogenetic and neoplastic potential of regions: Beddington 189

Ependyma neuroblast
differentiation during gastrulation in various anuran amphibia: Dettlaff 67

Epiblast
influence of the hypoblast in chick embryos: Mitra, Shimoni & Eyal-Giladi 21

Epithelio-mesenchymal interaction
during chondrogenetic differentiation of chick neural crest cells: Smith & Thorogood 165

Fertilization
of rat egg – spreading of sperm surface antigen: Gaunt 259

Fibula
in chick embryo – growth and morphogenesis: Archer, Hornbruch & Wolpert 101

Forelimb
of adult newt – the effects of delayed amputation: Liversage & McLaughlin 1

Glucose
effect on beta cell proliferation in organ cultures of rat pancreas: Kaung 303

Growth cones
of Xenopus developing embryonic sensory neurites: Roberts & Taylor 31

Histogenesis
of different regions of mouse embryonic egg cylinder: Beddington 189

Horseradish peroxidase (HRP)
used to study the establishment of axes in starfish embryos: Komnami 87

Hydroxymethyl glutaryl Co A reductase (HMG Co A reductase)
reversal of its inhibition by Compacting using mevalonate: Surani, Kimber & Osborn 205

Hypoblast
influence on chick embryo epiblast: Mitra, Shimoni & Eyal-Giladi 21

Hypochondral plate
differentiation during gastrulation in various anuran amphibia: Dettlaff 67

Induction
of axis by hypoblast in chick embryo: Mitra, Shimoni & Eyal-Giladi 21

Intraocular pressure
effect on proliferation pattern in rat retinal pigment epithelium: Stroeva & Panova 271

Melanophore
differentiation and pigment pattern formation in Xenopus: Ohsugi & Ide 141

Messenger RNA (mRNA)
localization in cortex of Chaetopterus eggs and embryos: Jeffery & Wilson 225

Mevalonate
reverses Compatact-induced developmental arrest in mouse embryos: Surani, Kimber & Osborn 205

Microphthalmia
in rats – proliferation pattern in retinal pigment epithelium: Stroeva & Panova 271

Monoclonal antibody
used to study spread of sperm surface antigen over fertilized rat egg: Gaunt 259

Mouse
embryo
histogenetic potential of egg cylinder: Beddington 189
mevalonate reversal of developmental arrest by Compacting: Surani, Kimber & Osborn 205
nuclear position in cells: Reeve & Kelly 117

Mutant
doublesex dominant (dsxD) of Drosophila melanogaster: Bownes, Dempster & Blair 241

Neural crest
epithelio-mesenchymal interactions during differentiation in chick: Smith & Thorogood 165

Neural tube cavity
differentiation during gastrulation in various anuran amphibia: Dettlaff 67

Neurites
SEM study of growth cones in Xenopus sensory neurites: Roberts & Taylor 31
SEM study of primary sensory neurones in Xenopus: Taylor & Roberts 49

Newt
effects of delayed amputation on denervated limbs: Liversage & McLaughlin 1
Subject Index

Notochord
differentiation during gastrulation in various anuran amphibia: DETTLAFF 67

Notophthalmus viridescens (See Newt)

Nucleus
position in cells of early mouse embryo: REEVE & KELLY 117

Oocyte
of Xenopus – wound healing and structural stability: MERRIAM & CHRISTENSEN 11

Organ culture
of foetal and neonatal rat pancreases: KAUNG 303

Osteogenesis
in fibula of chick embryo: ARCHER, HORNBRUCH & WOLPERT 101

Pattern formation
and melanophore differentiation in Xenopus laevis: OHSUGI & IDE 141

Pigment pattern formation
and melanophore differentiation in Xenopus laevis: OHSUGI & IDE 141

Polarity
of cells of early mouse embryo: REEVE & KELLY 117

Potencies
of ectoderm and chordamesoderm during amphibian gastrulation: DETTLAFF 67

Presumptive fates
of ectoderm and chordamesoderm during amphibian gastrulation: DETTLAFF 67

Proliferation
in postnatal rat retinal pigment epithelium: STROEVA & PANOVA 271

Rat
egg
spreading of sperm surface antigen after fertilization: GAUNT 259

foetus
and neonatal young – beta cell proliferation in pancreas organ culture: KAUNG 303

postnatal young
retinal pigment epithelium – pattern of proliferative activity: STROEVA & PANOVA 271

Regeneration
of cockroach limbs – blastema formation and cell division: TRUBY 151

of denervated forelimbs of adult newts: LIVERSAGE & MC LAUGHLIN 1

Regulation
of proportion without pattern formation in Dictyostelium: OYAMA, OKAMOTO & TAKEUCHI 293

Retinal pigment epithelium
pattern of proliferative activity in postnatal rats: STROEVA & PANOVA 271

Scanning electron microscope (SEM)
study of growth cones of developing embryonic sensory neurites: ROBERTS & TAYLOR 31

study of primary sensory neurones in Xenopus embryos: TAYLOR & ROBERTS 49

Sensory neurites
SEM study of growth cones in Xenopus: ROBERTS & TAYLOR 31

Sensory neurones
SEM study of early development in Xenopus embryos: TAYLOR & ROBERTS 49

Starfish
larva
establishment of embryonic axes: KOMINAMI 87

Teratoma
of different regions of mouse embryonic egg cylinder: BEDDINGTON 189

Transcription
of yolk-protein genes in doublesex dominant mutants of Drosophila: BOWNES, DEMPSTER & BLAIR 241

Transfilter culture
study of epithelio-mesenchymal interaction in chick neural crest cells: SMITH & THOROGOOD 165

Translation
of yolk-protein genes in doublesex dominant mutants of Drosophila: BOWNES, DEMPSTER & BLAIR 241

Xenopus laevis
egg
wound healing in cortex and structural stability: MERRIAM & CHRISTENSEN 11

embryo
early development of primary sensory neurones: TAYLOR & ROBERTS 49

growth cones of developing sensory neurites: ROBERTS & TAYLOR 31

melanophore differentiation and pigment pattern formation: OHSUGI & IDE 141