

Subject Index

- Adrenals**
absence of sex vesicles consistent with XY sex chromosome makeup: HOGG & MCLAREN 327
- Amino acid**
lethality of tritiated leucine in early mouse embryos: WIEBOLD & ANDERSON 209
- Amphibia**
embryo
pigment granule accumulation around nuclei: KOBAYAKAWA 293
- Antigen**
on cell surface in mouse embryo may be oviductal factor: GAUNT 55
- Antigens**
to study visceral endoderm differentiation from EC cells: SATO, OZAWA, HAMADA, KASAI, TOKUNAGA & MURAMATSU 165
- Autoradiography**
of RNA synthesis in oogenesis of polychaete: EMANUELSSON 249
- Avian**
embryo
origin of irideal striated muscle: NAKANO & NAKAMURA 1
- Blastocyst**
mouse
regeneration of endoderm from primitive ectoderm: GARDNER 303
- Blastomeres**
Xenopus laevis
pattern specification in blastomere pairs: COOKE & WEBBER 85
- Brain**
tube closure in rat embryos: MORRISS-KAY & TUCKETT 333
- Carcinoma cells**
embryonal – visceral endoderm differentiation: SATO, OZAWA, HAMADA, KASAI, TOKUNAGA & MURAMATSU 165
- Cartilage**
fate of larval chondrocytes during metamorphosis of epibranchial: ALBERCH, LEWBART & GALE 71
- Catalase**
in liver peroxisomes in foetal and newborn rat: STEFANINI, FARRACE & ARGENTO 151
- Cell proliferation**
in scleral ectomesenchyme in chick embryos: VAN DE KAMP 25
- Cell surface**
antigens to study visceral endoderm differentiation from EC cells: SATO, OZAWA, HAMADA, KASAI, TOKUNAGA & MURAMATSU 165
determinant in *Dictyostelium discoideum*: KREFFT, VOET, GREGG & WILLIAMS 15
- Chick**
chimaera
with quail used to study origin of irideal striated muscle: NAKANO & NAKAMURA 1
embryo
cell proliferation in condensing scleral ectomesenchyme: VAN DE KAMP 25
fluid transport across epiblast: STERN, MANNING & GILLESPIE 365
- Chimaera**
chick-quail used to investigate origin of irideal striated muscle: NAKANO & NAKAMURA 1
mouse
detection and analysis of spatial pattern: SCHMIDT, WILKINSON & PONDER 219
- Chondrocytes**
fate during metamorphosis of salamander epibranchials: ALBERCH, LEWBART & GALE 71
- Clonal analysis**
of X-chromosome inactivation and origin of germ line in mouse: GARDNER, LYON, EVANS & BURTEISHAW 349
- Colchicine**
effect on ontogenesis of cranial neuromeres in rat embryo: TUCKETT & MORRISS-KAY 231
- Conjunctival papillae**
cell proliferation in condensing scleral ectomesenchyme in chick: VAN DE KAMP 25
- Cranial development**
role of microfilaments and effects of cytochalasin D: MORRISS-KAY & TUCKETT 333
- Cranial neuromeres**
ontogenesis in rat embryo: TUCKETT & MORRISS-KAY 231

Culture

neuropore closure and spinal neural tube
defects in rat embryo: COPP 39

Curly tail

in rat – neuropore closure and neural tube
defects: COPP 39

Cytochalasin D

effect on ontogenesis of cranial
neuromeres in rat embryo: TUCKETT &
MORRIS-KAY 231
role of microfilaments in rat cranial
neurulation: MORRIS-KAY & TUCKETT 333

Cytochemistry

of catalase and D-aminoacid oxidase:
STEFANINI, FARRACE & ARGENTO 151

Cytoplasmic flow

directional – during accumulation of
pigment granules in *Anura*:
KOBAYAKAWA 293

D-aminoacid oxidase

in liver peroxisomes in foetal and newborn
rat: STEFANINI, FARRACE & ARGENTO 151

Dark-field illumination

to study pigment granule accumulation
around *Anuran* nuclei:
KOBAYAKAWA 293

Descendent clones

in mouse chimaeric tissues: SCHMIDT,
WILKINSON & PONDER 219

Dictyostelium discoideum

monoclonal antibody used to distinguish
prespore and prestalk cells: KREFFT, VOET,
GREGG & WILLIAMS 15

Dolichos biflorus agglutinin

used to detect spatial pattern in chimaeric
tissues: SCHMIDT, WILKINSON &
PONDER 219

Dorsal lip

excision and u.v. irradiation in *Xenopus*
laevis: COOKE 135

Ectomesenchyme

cell proliferation associated with
conjunctival papillae in chick: VAN DE
KAMP 265

Egg*Xenopus laevis*

pattern specification in lateral halves:
COOKE & WEBBER 85
pattern specification in lateral halves:
COOKE & WEBBER 113

Embryonal carcinoma cells

visceral endoderm differentiation: SATO,
OZAWA, HAMADA, KASAI, TOKUNAGA &
MURAMATSU 165

Endoderm

regeneration from primitive ectoderm in
mouse: GARDNER 303

Epiblast

fluid transport in early chick embryo:
STERN, MANNING & GILLESPIE 365

Epibranchial

fate of larval chondrocytes in the
salamander: ALBERCH, LEWBART & GALE 71

Epithelium

influence on palate shelf reorientation:
BULLEIT & ZIMMERMAN 265

Eurycea bislineata

fate of larval chondrocytes during
metamorphosis of epibranchial: ALBERCH,
LEWBART & GALE 71

Fate mapping

in *Xenopus laevis* blastomere pairs: COOKE &
WEBBER 85

Fluid transport

across epiblast of early chick embryo:
STERN, MANNING & GILLESPIE 365

Gastrulation

after u.v. irradiation of *Xenopus* egg:
COOKE 135
pattern specification in *Xenopus laevis*
blastomere pairs: COOKE & WEBBER 85
pattern specification in *Xenopus laevis*
lateral halves: COOKE & WEBBER 113

Germ cells

absence of sex vesicles consistent with XY
sex chromosome makeup: HOGG &
MCLAREN 327

Germ line

origin in the mouse embryo: GARDNER, LYON,
EVANS & BURTENSHAW 349

Grieg-Smith

analysis of variance applied to mouse
chimaeric tissues: SCHMIDT, WILKINSON &
PONDER 219

Hyla arborea

pigment accumulation around nuclei:
KOBAYAKAWA 293

Immunosurgery

regeneration of endoderm from primitive
ectoderm in mouse: GARDNER 303

Implantation

of pre- and early-primitive-streak-stage
mouse embryos: BEDDINGTON 281

Inactivation

X-chromosome – and origin of germ line in
mouse embryo: GARDNER, LYON, EVANS &
BURTENSHAW 349

Intestinal crypts

analysis of spatial pattern in mouse
chimaeric tissues: SCHMIDT, WILKINSON &
PONDER 219

Iris

origin of striated muscle in birds: NAKANO &
NAKAMURA 1

Lateral halves

Xenopus laevis
pattern specification in isolates: COOKE &
WEBBER 113

Lateral line system

development of supraorbital system in
Xenopus laevis embryos: WINKLBAUER &
HAUSEN 183
pattern formation in supraorbital system in
Xenopus embryos: WINKLBAUER &
HAUSEN 193

Leucine

lethality of tritiated leucine in early mouse
embryos: WIEBOLD & ANDERSON 209

Liver

peroxisomes in foetal and newborn rat:
STEFANINI, FARRACE & ARGENTO 151

Meiosis

absence of sex vesicles consistent with XY
sex chromosome makeup: HOGG &
MCLAREN 327

Metamorphosis

of epibranchial in salamander: ALBERCH,
LEWBART & GALE 71

Microfilaments

role in cranial neurulation in rat embryos:
MORRISS-KAY & TUCKETT 333

Microsurgery

regeneration of endoderm from primitive
ectoderm in mouse: GARDNER 303

Monoclonal antibodies

recognizing cell surface determinant in
Dictyostelium discoideum: KREFFT, VOET,
GREGG & WILLIAMS 15

Mouse

blastocyst
regeneration of endoderm from
primitive ectoderm: GARDNER 303
chimaera
detection and analysis of spatial pattern:
SCHMIDT, WILKINSON & PONDER 219
embryo
absence of sex vesicles consistent with
XY sex chromosome makeup: HOGG &
MCLAREN 327

clonal analysis of X-chromosome
inactivation and origin of germ line:
GARDNER, LYON, EVANS &
BURTENSCHAW 349

influence of epithelium on palate shelf
reorientation: BULLEIT & ZIMMERMAN
265

lethality of a tritiated amino acid:
WIEBOLD & ANDERSON 209

neuropore closure and spinal neural tube
defects: COPP 39

teratocarcinoma antigen on cell surface:
GAUNT 55

transplantation of pre- and early-
primitive streak stages: BEDDINGTON
281

Muscle

striated
origin of iris cells in birds: NAKANO &
NAKAMURA 1

Mutant

curly tail – neuropore closure and neural
tube defects in rat: COPP 39

Neural crest

origin of striated muscle in birds: NAKANO &
NAKAMURA 1

Neural tube

defects and neuropore closure in rat
embryos: COPP 39
ontogenesis in cranium of rat embryo:
TUCKETT & MORRISS-KAY 231

Neuromeres

ontogenesis in cranium of rat embryo:
TUCKETT & MORRISS-KAY 231

Neuropore

closure and spinal neural tube defects in
rat embryo: COPP 39

Neurulation

in rat embryos – effects of cytochalasin D:
MORRISS-KAY & TUCKETT 333

Non-equivalence

in pattern specification in *Xenopus*
blastomere pairs: COOKE & WEBBER 85
in pattern specification in *Xenopus*
lateral halves: COOKE & WEBBER 113

Nurse cell

RNA synthesis in polychaete
Ophryotrocha: EMANUELSSON 249

Ocular development

cell proliferation in scleral
ectomesenchyme in chick embryo: VAN
DE KAMP 265

- Oogenesis**
 absence of sex vesicles consistent with XY sex chromosome makeup: HOGG & MCLAREN 327
 RNA synthesis in polychaete
Ophryotrocha: EMANUELSSON 249
- Ophryotrocha labronica***
 RNA synthesis in oogenesis: EMANUELSSON 249
- Ossicles**
 scleral – cell proliferation in chick embryo: VAN DE KAMP 265
- Oviduct**
 mouse
 factor relation to teratocarcinoma cell surface antigen: GAUNT 55
- Palate**
 shelf reorientation – influence of epithelium: BULLEIT & ZIMMERMAN 265
- Pattern formation**
 during development of lateral line system in *Xenopus laevis*: WINKLBAUER & HAUSEN 193
- Pattern specification**
 in chimaeric mouse tissues: SCHMIDT, WILKINSON & PONDER 219
 in *Xenopus laevis* blastomere pairs: COOKE & WEBBER 85
 in *Xenopus laevis* lateral halves: COOKE & WEBBER 113
 in *Xenopus laevis* after u.v. irradiation of egg: COOKE 135
- Peroxisomes**
 in foetal and newborn rat liver: STEFANINI, FARRACE & ARGENTO 151
- Pigment accumulation**
 around nuclei in early embryos of Anura: KOBAYAKAWA 293
- Polychaete**
 RNA synthesis in oocyte–nurse cell complex: EMANUELSSON 249
- Prespore**
 cells in *Dictyostelium discoideum* – cell surface determinants: KREFFT, VOET, GREGG & WILLIAMS 15
- Prestalk**
 cells in *Dictyostelium discoideum* – cell surface determinants: KREFFT, VOET, GREGG & WILLIAMS 15
- Primitive ectoderm**
 regeneration of endoderm in mouse: GARDNER 303
- Primitive streak stage**
 mouse embryos – reimplantation and subsequent development: BEDDINGTON 281
- Protein**
 degradation curves in mouse embryos: WIEBOLD & ANDERSON 209
- Quail**
 chimaera
 with chick used to study origin of irideal striated muscle: NAKANO & NAKAMURA 1
- Radiation**
 lethality of tritiated amino acid in mouse embryos: WIEBOLD & ANDERSON 209
- Rana rugosa***
 pigment accumulation around nuclei: KOBAYAKAWA 293
- Rat**
 embryo
 ontogenesis of cranial neuromeres: TUCKETT & MORRIS-KAY 231
 role of microfilaments in cranial neurulation: MORRIS-KAY & TUCKETT 333
 foetus
 and newborn liver peroxisomes: STEFANINI, FARRACE & ARGENTO 151
- Regeneration**
 of endoderm from primitive ectoderm in mouse embryo: GARDNER 303
- Reorientation**
 of palate shelf – influence of epithelium: BULLEIT & ZIMMERMAN 265
- Retinoic acid**
 sensitivity of visceral endoderm differentiation from EC cells: SATO, OZAWA, HAMADA, KASAI, TOKUNAGA & MURAMATSU 165
- Ribonucleic acid (RNA)**
 synthesis in oocyte–nurse cell complex in polychaete: EMANUELSSON 249
- Salamander**
 fate of larval chondrocytes during metamorphosis of epibranchial: ALBERCH, LEWBART & GALE 71
- Scleral ectomesenchyme**
 cell proliferation in the conjunctival papillae in chick: VAN DE KAMP 265
- Sex vesicles**
 absence in meiotic foetal germ cells in mice: HOGG & MCLAREN 327

Sodium transport

across epiblast of early chick embryo:
STERN, MANNING & GILLESPIE 365

Striated muscle

origin of iris cells in birds: NAKANO &
NAKAMURA 1

Supraorbital system

development in triploid *Xenopus* embryos:
WINKLBAUER & HAUSEN 183
pattern formation in *Xenopus* embryos:
WINKLBAUER & HAUSEN 193

Teratocarcinoma

antigen on cell surface may be oviductal
factor: GAUNT 55

Thyroxine

effect on metamorphosis of epibranchial in
the salamander: ALBERCH, LEWBART &
GALE 71

Transplantation

of pre- and early-primitive-streak-stage
mouse embryos: BEDDINGTON 281

Triploidy

development of lateral line system in
Xenopus triploid embryos: WINKLBAUER &
HAUSEN 183

U.v. irradiation

and dorsal lip excision in *Xenopus laevis*:
COOKE 135

Visceral endoderm

differentiation from embryonal carcinoma
cells: SATO, OZAWA, HAMADA, KASAI,
TOKUNAGA & MURAMATSU 165

X-chromosome

inactivation and origin of germ line in
mouse embryo: GARDNER, LYON, EVANS &
BURTENSCHAW 349

Xenopus laevis**egg**

pattern specification in blastomere pairs:
COOKE & WEBBER 85

pattern specification in lateral halves:
COOKE & WEBBER 113

u.v. irradiation and pattern specification:
COOKE 135

lateral line system

development of supraorbital system in
triploid embryos: WINKLBAUER &
HAUSEN 183

pattern formation in supraorbital system:
WINKLBAUER & HAUSEN 193

Yolk granules

RNA synthesis in polychaete
Ophryotrocha: EMANUELSSON 249