

INDEX OF AUTHORS

- APOSTOLAKOS, P. 29
ASPINALL, R. 181
- BACKMAN, L. 281
BELLOT, F. 269
BERGER, S. 1
BIRCHEM, R. 207
BROOKS, I. M. 91
BUNNAGE, H. J. 91
- CHRISTAKIS, N. A. 13
CLARK, J. T. 233
CROSSLEY, R. 233
- DE LA TORRE, C. 171
DICKINSON, H. G. 141
DOLAN, M. T. 123
DUCRET, F. 269
- EDWARDS, P. A. W. 91
EL-BATTARI, A. 269
ELLEMAN, C. J. 141
ELLISON, M. L. 91
- FANTINI, J. 269
FERRERO, M. L. 171
FOSTER, A. V. 91
- GALATIS, B. 29
GLICK, R. E. 57
GUTZEIT, H. O. 159
- HOLBERTON, D. V. 233
HYLDAHL, L. 181
- KACHAR, B. 13
KANBE, T. 253
- KING, N. 207
KIRK, D. L. 207
KUIJPERS, H. 103
LANE, N. J. 13
- MARSHALL, J. 233
MARVALDI, J. 269
MULLER, J. M. 269
- O'HARE, M. J. 91
- PALAFOUTAS, D. 29
- RAMAEKERS, F. 103
REESE, T. S. 13
REID, C. G. 123
- SCHWEIGER, H.-G. 1
SORSA, V. 193
SUZAKI, T. 75
- TANAKA, K. 253
TIRARD, A. 269
TRIEMER, R. E. 57
- VAN VENROOIJ, W. 103
VERHEIJEN, R. 103
VOOJIS, P. 103
VOORHEIS, H. P. 123
- WATT, F. M. 181
WILLIAMSON, R. E. 75
- ZILINSKAS, B. A. 57

INDEX OF SUBJECTS

- Acetabularia**
perinuclear dense bodies: BERGER & SCHWEIGER 1
- Anemia**
formation of floating guard mother cells: GALATIS, APOSTOLAKOS & PALAFOUTAS 29
- Anhydrous fixation**
of pollen in study of pollen-stigma interaction in *Brassica*: ELLEMAN & DICKINSON 141
- Antigenic heterogeneity**
in cultures of normal human breast: EDWARDS, BROOKS, BUNNAGE, FOSTER, ELLISON & O'HARE 91
- Autoantibodies**
in identification of protein composition of HeLa cell nuclear matrix preparations: VERHEIJEN, KUIJPERS, VOOLJS, VAN VENROOIJ & RAMAEKERS 103
- Brassica oleracea**
pollen structure during hydration: ELLEMAN & DICKINSON 141
- Ca²⁺**
in motility of detergent-extracted cells of *Astasia longa*: SUZAKI & WILLIAMSON 75
- Calcium**
initiates depolymerization of *Trypanosoma* pellicular microtubules: DOLAN, REID & VOORHEIS 123
- Cell cycle**
in *Allium cepa*, under 8-hydroxyquinoline: FERRERO & DE LA TORRE 171
- Cell growth**
of *Allium cepa*, under 8-hydroxyquinoline: FERRERO & DE LA TORRE 171
- Chromomeres**
distribution as a basis of chromosomal coiling: SORSA 193
- Chromosomal coiling**
based on distribution of chromomeres: SORSA 193
- Cornea**
human embryonic, immunolocalization of keratan sulphate: HYLDAHL, ASPINALL & WATT 181
- Cyanobacterium**
fractionation of thylakoid membranes: GLICK, TRIEMER & ZILINSKAS 57
- Cytochemistry**
in study of *Acetabularia* perinuclear dense bodies: BERGER & SCHWEIGER 1
- Cytoplasmic streaming**
role of microfilaments in *Drosophila*: GUTZEIT 159
- Cytoskeleton**
calcium initiates depolymerization of pellicular microtubules of *Trypanosoma*: DOLAN, REID & VOORHEIS 123
proteins of HeLa cells in nuclear matrix preparations: VERHEIJEN, KUIJPERS, VOOLJS, VAN VENROOIJ & RAMAEKERS 103
- Direct freezing**
in study of intramembrane structure of septate junctions: KACHAR, CHRISTAKIS, REESE & LANE 13
- DNA synthesis**
in cell growth of onion meristems: FERRERO & DE LA TORRE 171
- Drosophila**
distribution of chromomeres as a basis of chromosomal coiling: SORSA 193
oogenesis, role of microfilaments in cytoplasmic streaming: GUTZEIT 159
- ECM nomenclature**
in *Volvox*: KIRK, BIRCHEM & KING 207
- Electron microscopy**
in study of mitosis in fission yeast: TANAKA & KANBE 253
- Endothelium**
corneal, immunolocalization of keratan sulphate: HYLDAHL, ASPINALL & WATT 181
- Enzyme-gold granules**
in study of *Acetabularia* perinuclear dense bodies: BERGER & SCHWEIGER 1
- Euglenoid movement**
of *Astasia longa* cells: SUZAKI & WILLIAMSON 75
- Extracellular matrix**
in HT29 cell spreading and growth: EL-BATTARI, MULLER, FANTINI, BELLOT, TIRARD, DUCRET & MARVALDI 269
in *Volvox*, structure, nomenclature: KIRK, BIRCHEM & KING 207

Flagellar beating

in *Astasia longa* cell movement: SUZAKI & WILLIAMSON 75

Freeze-fracture

of thylakoid membranes of *Phormidium laminosum*: GLICK, TRIEMER & ZILINSKAS 57

Freeze-substitution

in study of mitosis in fission yeast: TANAKA & KANBE 253

Giardia

immunocytochemical differentiation of microtubules in the cytoskeleton: CROSSLEY, MARSHALL, CLARK & HOLBERTON 233

Giardin

localized in microribbons attached to microtubules in *Giardia*: CROSSLEY, MARSHALL, CLARK & HOLBERTON 233

Guard cells

formation in *Anemia*: GALATIS, APOSTOLAKOS & PALAFOUTAS 29

hnRNP

in nuclear matrix preparations from HeLa cells: VERHEIJEN, KUIJPERS, VOOLS, VAN VENROOIJ & RAMAEKERS 103

HT29 cells

inhibition of spreading and growth by monensin and tunicamycin: EL-BATTARI, MULLER, FANTINI, BELLOT, TIRARD, DUCRET & MARVALDI 269

8-Hydroxyquinoline

effects on cell proliferation in *Allium cepa*: FERRERO & DE LA TORRE 171

Immunofluorescence

in study of breast epithelial antigens: EDWARDS, BROOKS, BUNNAGE, FOSTER, ELLISON & O'HARE 91
in study of microtubule differentiation in *Giardia*: CROSSLEY, MARSHALL, CLARK & HOLBERTON 233

Intramembrane structure

of septate junctions, by direct freezing: KACHAR, CHRISTAKIS, REESE & LANE 13

Keratan sulphate

immunolocalization in human embryos: HYLDAHL, ASPINALL & WATT 181

Mammary gland

expression of epithelial antigens: EDWARDS, BROOKS, BUNNAGE, FOSTER, ELLISON & O'HARE 91

Microfilaments

role in cytoplasmic streaming in *Drosophila* follicles: GUTZEIT 159

Microtubules

immunocytochemical differentiation in cytoskeleton of *Giardia*: CROSSLEY, MARSHALL, CLARK & HOLBERTON 233
pellicular, of *Trypanosoma*, depolymerization initiated by calcium: DOLAN, REID & VOORHEIS 123

Mitosis

in fission yeast, freeze-substitution, EM: TANAKA & KANBE 253

Monensin

-induced inhibition of HT29 cell spreading and growth: EL-BATTARI, MULLER, FANTANI, BELLOT, TIRARD, DUCRET & MARVALDI 269

Monoclonal antibodies

in study of chemical differences amongst *Giardia* microtubules: CROSSLEY, MARSHALL, CLARK & HOLBERTON 233
in study of components of HeLa cell nuclear matrix preparations: VERHEIJEN, KUIJPERS, VOOLS, VAN VENROOIJ & RAMAEKERS 103
in study of epithelial antigens in normal human breast culture: EDWARDS, BROOKS, BUNNAGE, FOSTER, ELLISON & O'HARE 91

Morphology

control in human red cells: BACKMAN 281

Motility

of detergent-extracted *Astasia longa* cells: SUZAKI & WILLIAMSON 75

Nuclear matrix

from HeLa cells, protein composition: VERHEIJEN, KUIJPERS, VOOLS, VAN VENROOIJ & RAMAEKERS 103

Nucleic acids

possible presence in perinuclear dense bodies of *Acetabularia*: BERGER & SCHWEIGER 1

Onion meristems

cell proliferation under 8-hydroxyquinoline: FERRERO & DE LA TORRE 171

Pellicle

of *Trypanosoma*, microtubule depolymerization initiated by calcium: DOLAN, REID & VOORHEIS 123

Phormidium laminosum

freeze-fracture of thylakoid membranes: GLICK, TRIEMER & ZILINSKAS 57

- Phosphoinositide metabolism**
in shape control in human red cells:
BACKMAN 281
- Photosystems I, II**
enriched fractions from *Phormidium laminosum*, freeze-fracture: GLICK, TRIEMER & ZILINSKAS 57
- Pollen coating**
structural components revealed by anhydrous fixation of *Brassica* pollen: ELLEMAN & DICKINSON 141
- Pollen hydration**
in *Brassica* studied by TEM after anhydrous fixation: ELLEMAN & DICKINSON 141
- Red cells**
human, shape control: BACKMAN 281
- RNA synthesis**
in cell proliferation in onion meristems: FERRERO & DE LA TORRE 171
- Schizosaccharomyces pombe***
mitosis, freeze-substitution, EM: TANAKA & KANBE 253
- Septate junctions**
intramembrane structure, by direct freezing: KACHAR, CHRISTAKIS, REESE & LANE 13
- Shape change**
control in human red cells: BACKMAN 281
- Stomata**
formation of floating guard mother cells in *Anemia*: GALATIS, APOSTOLAKOS & PALAFOUTAS 29
- Stroma**
corneal, immunolocalization of keratan sulphate: HYLDAHL, ASPINALL & WATT 181
- Thylakoid membranes**
from *Phormidium laminosum*, freeze-fracture: GLICK, TRIEMER & ZILINSKAS 57
- Trypanosoma**
calcium initiates depolymerization of pellicular microtubules: DOLAN, REID & VOORHEIS 123
- Tubulin**
isoelectric variants in *Giardia*: CROSSLEY, MARSHALL, CLARK & HOLBERTON 233
- Tunicamycin**
-induced inhibition of HT29 cell spreading and growth: EL-BATTARI, MULLER, FANTINI, BELLOT, TIRARD, DUCRET & MARVALDI 269
- Vanadate**
effect on shape control in human red cells: BACKMAN 281
in study of *Astasia longa* cell motility: SUZAKI & WILLIAMSON 75
- Volvox**
extracellular matrix, structure, nomenclature: KIRK, BIRCHEM & KING 207

- page 1 **Berger, S. and Schweiger, H.-G.** Perinuclear dense bodies: characterization as DNA-containing structures using enzyme-linked gold granules
- 13 **Kachar, B., Christakis, N. A., Reese, T. S. and Lane, N. J.** The intramembrane structure of septate junctions based on direct freezing
- 29 **Galatis, B., Apostolakis, P. and Palafoutas, D.** Studies on the formation of 'floating' guard cell mother cells in *Anemia*
- 57 **Glick, R. E., Triemer, R. E. and Zilinskas, B. A.** Freeze-fracture analysis of thylakoid membranes and photosystem I and II enriched fractions from *Phormidium laminosum*
- 75 **Suzaki, T. and Williamson, R. E.** Reactivation of euglenoid movement and flagellar beating in detergent-extracted cells of *Astasia longa*: different mechanisms of force generation are involved
- 91 **Edwards, P. A. W., Brooks, I. M., Bunnage, H. J., Foster, A. V., Ellison, M. L. and O'Hare, M. J.** Clonal analysis of expression of epithelial antigens in cultures of normal human breast
- 103 **Verheijen, R., Kuijpers, H., Vooijs, P., van Venrooij, W. and Ramaekers, F.** Protein composition of nuclear matrix preparations from HeLa cells: an immunochemical approach
- 123 **Dolan, M. T., Reid, C. G. and Voorheis, H. P.** Calcium ions initiate the selective depolymerization of the pellicular microtubules in bloodstream forms of *Trypanosoma brucei*
- 141 **Elleman, C. J. and Dickinson, H. G.** Pollen-stigma interactions in *Brassica*. IV. Structural reorganization in the pollen grains during hydration
- 159 **Gutzeit, H. O.** The role of microfilaments in cytoplasmic streaming in *Drosophila* follicles
- 171 **Ferrero, M. L. and De la Torre, C.** Cell proliferation in *Allium cepa* L. meristems under 8-hydroxyquinoline, a chelating agent that affects DNA and RNA polymerases
- 181 **Hyldahl, L., Aspinall, R. and Watt, F. M.** Immunolocalization of keratan sulphate in the human embryonic cornea and other human foetal organs
- 193 **Sorsa, V.** Distribution of chromomeres as a basis of chromosomal coiling
- 207 **Kirk, D. L., Birchem, R. and King, N.** The extracellular matrix of *Volvox*: a comparative study and proposed system of nomenclature
- 233 **Crossley, R., Marshall, J., Clark, J. T. and Holberton, D. V.** Immunocytochemical differentiation of microtubules in the cytoskeleton of *Giardia lamblia* using monoclonal antibodies to α -tubulin and polyclonal antibodies to associated low molecular weight proteins
- 253 **Tanaka, K. and Kanbe, T.** Mitosis in the fission yeast *Schizosaccharomyces pombe* as revealed by freeze-substitution electron microscopy
- 269 **El-Battari, A., Muller, J. M., Fantini, J., Bellot, F., Tirard, A., Ducret, F. and Marvaldi, J.** Monensin and tunicamycin-induced inhibition of HT29 cell spreading and growth
- 281 **Backman, L.** Shape control in the human red cell