Contents

VOLUME 94 PART 2 OCTOBER 1989

Commentary
Whitelaw, E.
The role of DNA-binding proteins in differentiation and transformation 169

Review
Shotton, D. M.
Confocal scanning optical microscopy and its applications for biological specimens 175

Baba, M., Baba, N., Ohsumi, Y., Kanaya, K. and Osumi, M.
Three-dimensional analysis of morphogenesis induced by mating pheromone α factor in Saccharomyces cerevisiae 207

The localization of the divergent β2-tubulin isotype in the microtubular arrays of Physarum polycephalum 217

Prescott, A. R., Vestberg, M. and Warn, R. M.
Microtubules rich in modified α-tubulin characterize the tail processes of motile fibroblasts 227

Moudjou, M., Lanotte, M. and Bornens, M.
The fate of the centrosome-microtubule network in monocyte-derived giant cells 237

Vandré, D. D. and Borisy, G. G.
Anaphase onset and dephosphorylation of mitotic phosphoproteins occur concomitantly 245

de la Torre, C., Gonzalez-Fernandez, A. and Gimenez-Martin, C.
Stringency at four regions of the plant cell cycle where proteins regulating its progression are synthesized 259

Carré, I. A., Laval-Martin, D. L. and Edmunds, L. N.
Circadian changes in cyclic AMP levels in synchronously dividing and stationary-phase cultures of the achlorophyllous ZC mutant of Euglena gracilis 267

Holmes, J. A. and Dutcher, S. K.
Cellular asymmetry in Chlamydomonas reinhardtii 273

Fine-structural aspects of bromodeoxyuridine incorporation in sister chromatid differentiation and replication banding 287

van Dekken, H., Pinkel, D., Mullikin, J., Trask, B., van den Engh, G. and Gray, J.
Three-dimensional analysis of the organization of human chromosome domains in human and human-hamster hybrid interphase nuclei 299

Campbell, S., Allen, T. D., Moser, B. B. and Aplin, J. D.
The translaminal fibrils of the human amnion basement membrane 307

Heslop-Harrison, J. and Heslop-Harrison, Y.
Myosin associated with the surfaces of organelles, vegetative nuclei and generative cells in angiosperm pollen grains and tubes 319

Hughson, E. J., Cutler, D. F. and Hopkins, C. R.
Basolateral secretion of kappa light chain in the polarised epithelial cell line, Caco-2 327

Pagliaro, L., Kerr, K. and Taylor, D. L.
Enolase exists in the fluid phase of cytoplasm in 3T3 cells 333

Bolivar, I. and Guiard-Maffia, J.
Cellular localization of the SerH surface antigen in Tetrahymena thermophila 343

Onset of expression of peanut lectin-binding glycoproteins is correlated with stratification of keratinocytes during human epidermal development in vitro and in vivo 355

Little, C. D., Ogle, R. C., Potts, A. J. and Yacoe, M.
Embryonic chicken fibroblast collagen binding proteins: distribution, role in substrate adhesion and relationship to integrins 361

McLaughlin, J. S., Linsenmayer, T. F. and Birk, D. E.
Type V collagen synthesis and deposition by chicken corneal fibroblasts in vitro 371

List of Supplements