

Contents

VOLUME 96 PART 3 JULY 1990

<hr/>	
Commentaries	
Harrison, A. and Hyams, J. S. Mapping MAP-2	347
Flügge, U.-I. Import of proteins into chloroplasts	351
<hr/>	
Review	
Hepler, P. K., Palevitz, B. A., Lancelle, S. A., McCauley, M. M. and Lichtscheidl, I. Cortical endoplasmic reticulum in plants	355
<hr/>	
Schweitzer, E. S. and Paddock, S. Localization of human growth hormone to a sub-set of cytoplasmic vesicles in transfected PC12 cells	375
Solnica-Krezel, L., Diggins-Gilicinski, M., Burland, T. G. and Dove, W. F. Variable pathways for developmental changes in composition and organization of microtubules in <i>Physarum polycephalum</i>	383
Martindale, V. E. and Salisbury, J. L. Phosphorylation of algal centrin is rapidly responsive to changes in the external milieu	395
Debec, A., Courgeon, A.-M., Maingourd, M. and Maisonhaute, C. The response of the centrosome to heat shock and related stresses in a <i>Drosophila</i> cell line	403
Haass, C., Klein, U. and Kloetzel, P.-M. Developmental expression of <i>Drosophila</i> <i>melanogaster</i> small heat-shock proteins	413
Arrigo, A.-P. The monovalent ionophore monensin maintains the nuclear localization of the human stress protein hsp28 during heat shock recovery	419
Novak, B. and Mitchison, J. M. Changes in the rate of oxygen consumption in synchronous cultures of the fission yeast <i>Schizosaccharomyces pombe</i>	429
Creanor, J. and Mitchison, J. M. Continued DNA synthesis after a mitotic block in the double mutant <i>cut1 cdc11</i> of the fission yeast <i>Schizosaccharomyces pombe</i>	433
Cardenas, M. E., Laroche, T. and Gasser, S. M. The composition and morphology of yeast nuclear scaffolds	437
Karwan, R. M., Laroche, T., Wintersberger, U., Gasser, S. M. and Binder, M. Ribonuclease H(70) is a component of the yeast nuclear scaffold	449
Zlatanova, J. S., Srebrevna, L. N., Banchev, T. B., Tasheva, B. T. and Tsanev, R. G. Cytoplasmic pool of histone H1 in mammalian cells	459
Allen, R. D., Ueno, M. S., Pollard, L. W. and Fok, A. K. Monoclonal antibody study of the decorated spongione of contractile vacuole complexes of <i>Paramecium</i>	467
Fujimoto, T. and Ogawa, K. Fodrin in the human polymorphonuclear leucocyte: redistribution induced by the chemotactic peptide	475
Souto-Padrón, T., Campetella, O. E., Cazzulo, J. J. and de Souza, W. Cysteine proteinase in <i>Trypanosoma cruzi</i> : immunocytochemical localization and involvement in parasite-host cell interaction	483
Ebert, D. L., Jordan, K. B. and Dimond, R. L. Lysosomal enzyme secretory mutants of <i>Dictyostelium discoideum</i>	489
Hassell, T. and Butler, M. Adaptation to non-ammoniagenic medium and selective substrate feeding lead to enhanced yields in animal cell cultures	499
Chopra, D. P., Sullivan, J. K. and Reece-Kooyer, S. Regulation by calcium of proliferation and morphology of normal human tracheobronchial epithelial cell cultures	507
Joseph, L. B., Kreutzer, D. L. and Tanzer, M. L. Characterization of Chinese hamster ovary cells with impaired spreading properties on fibronectin	517
Bee, J. A. and von der Mark, K. An analysis of chick limb bud intercellular adhesion underlying the establishment of cartilage aggregates in suspension culture	525
Skaer, H. le B., Harrison, J. B. and Maddrell, S. H. P. Physiological and structural maturation of a polarised epithelium: the Malpighian tubules of a blood-sucking insect, <i>Rhodnius prolixus</i>	535
McNeil, P. L. and Ito, S. Molecular traffic through plasma membrane disruptions of cells <i>in vivo</i>	547

The Company of Biologists Limited

Department of Zoology, University of Cambridge, Downing Street, Cambridge CB2 3EJ

ISSN: 0021-9533

© The Company of Biologists Limited 1990