

THE JOURNAL OF CELL BIOLOGY · CONTENTS
VOLUME 84 NUMBER 2 FEBRUARY 1980

RAPID COMMUNICATIONS

- 455 **D. C. LIN, K. D. TOBIN, M. GRUMET, and S. LIN.** Cytochalasins inhibit nuclei-induced actin polymerization by blocking filament elongation
- 461 **D. W. DEAMER and D. E. BOATMAN.** An enzymatically driven membrane reconstitution from solubilized components
- 468 **J. E. STANCHFIELD and J. D. YAGER, Jr.** Primary induction of vitellogenin synthesis in monolayer cultures of amphibian hepatocytes
- 476 **K. HIWATASHI, N. HAGA, and M. TAKAHASHI.** Restoration of membrane excitability in a behavioral mutant of *Paramecium caudatum* during conjugation and by microinjection of wild-type cytoplasm

REGULAR ARTICLES

- 215 **O. I. STENDAHL, J. H. HARTWIG, E. A. BROTSCHI, and T. P. STOSSEL.** Distribution of actin-binding protein and myosin in macrophages during spreading and phagocytosis
- 225 **D. P. VIA, S. SRAMEK, G. LARRIBA, and S. STEINER.** Effects of sodium butyrate on the membrane glycoconjugates of murine sarcoma virus-transformed rat cells
- 235 **D. B. MURPHY.** Identification of microtubule-associated proteins in the meiotic spindle of surf clam oocytes
- 246 **B. BOWERS.** A morphological study of plasma and phagosome membranes during endocytosis in *Acanthamoeba*
- 261 **C. A. WILEY and M. H. ELLISMAN.** Rows of dimeric-particles within the axolemma and juxtaposed particles within glia, incorporated into a new model for the paranodal glial-axonal junction at the node of Ranvier
- 281 **W. E. LAUG, Z. A. TOKES, W. F. BENEDICT, and N. SORGENTE.** Anchorage independent growth and plasminogen activator production by bovine endothelial cells
- 294 **D. M. FRY and M. F. MORALES.** A reexamination of the effects of creatine on muscle protein synthesis in tissue culture
- 298 **B. M. GLASER, P. A. D'AMORE, R. G. MICHELS, A. PATZ, and A. FENSELAU.** Demonstration of vasoproliferative activity from mammalian retina
- 305 **D. HOESSLI, E. RUNGGER-BRÄNDLE, B. M. JOCKUSCH, and G. GABBIANI.** Lymphocyte α -actinin. Relationship to cell membrane and co-capping with surface receptors
- 315 **S. C. MUELLER and R. M. BROWN, Jr.** Evidence for an intramembrane component associated with a cellulose microfibril-synthesizing complex in higher plants
- 327 **T. H. GIDDINGS, Jr., D. L. BROWER, and L. A. STAEHELIN.** Visualization of particle complexes in the plasma membrane of *Micrasterias denticulata* associated with the formation of cellulose fibrils in primary and secondary cell walls
- 340 **H. MORI and A. K. CHRISTENSEN.** Morphometric analysis of Leydig cells in the normal rat testis
- 355 **K. M. NICHOLS, A. JACKLET, and R. RIKMENSPOLE.** Effects of Mg^{2+} and Ca^{2+} on photoinduced *Euglena* flagellar responses
- 364 **W. L. DENTLER.** Microtubule-membrane interactions in cilia. I. Isolation and characterization of ciliary membranes from *Tetrahymena pyriformis*
- 381 **W. L. DENTLER, M. M. PRATT, and R. E. STEPHENS.** Microtubule-membrane interactions in cilia. II. Photochemical cross-linking of bridge structures and the identification of a membrane-associated dynein-like ATPase
- 404 **A. HELENIUS, J. KARTENBECK, K. SIMONS, and E. FRIES.** On the entry of Semliki Forest virus into BHK-21 cells
- 421 **D. K. MILLER, B. I. FEUER, R. VANDEROEF, and J. LENARD.** Reconstituted G protein-lipid vesicles from vesicular stomatitis virus and their inhibition of VSV infection
- 430 **D. K. MILLER and J. LENARD.** Inhibition of vesicular stomatitis virus infection by spike glycoprotein. Evidence for an intracellular, G protein-requiring step
- 438 **Y. TANAKA, P. DE CAMILLI, and J. MELDOLESI.** Membrane interactions between secretion granules and plasmalemma in three exocrine glands
- 481 CORRECTION