

## Contents

### Focus on Cellular Biochemistry

- |    |   |  |
|----|---|--|
| 1  | Harder, T., Scheiffele, P.                    | Regulation of raft architecture  |
| 8  | Fivaz, M., Abrami, L.,<br>van der Goot, F. G. | Pathogens, toxins, and lipid rafts                                       |
| 15 | Parton, R. G., Carozzi, A.,<br>Gustavsson, J. | Caves and labyrinths: caveolae and transverse tubules in skeletal muscle |

### Original Papers

- |     |  |  |
|-----|--|--|
| 24  | Belanger, K. D., Quatrano, R. S.   | Membrane recycling occurs during asymmetric tip growth and cell plate formation in <i>Fucus distichus</i> zygotes  |
| 38  | Wheeler, W. S., Fagerberg, W. R.   | Exposure to low levels of photosynthetically active radiation induces rapid increases in palisade cell chloroplast volume and thylakoid surface area in sunflower ( <i>Helianthus annuus</i> L.) |
| 46  | Crèvecoeur, M., Lesniewska, E.,<br>Vié, V., Goudonnet, J. P., Greppin, H.,<br>Le Grimellec, C. | Atomic-force microscopy imaging of plasma membranes purified from spinach leaves   |
| 56  | Silverman-Gavrila, R. V., Forer, A.  | Chromosome attachment to the spindle in crane-fly spermatocytes requires actin and is necessary to initiate the anaphase-onset checkpoint  |
| 72  | Awano, T., Takabe, K., Fujita, M.,<br>Daniel, G.   | Deposition of glucuronoxylans on the secondary cell wall of Japanese beech as observed by immuno-scanning electron microscopy  |
| 80  | Porterfield, D. M., Smith, P. J. S.  | Single-cell, real-time measurements of extracellular oxygen and proton fluxes from <i>Spirogyra grevilleana</i>  |
| 89  | Requena, N., Mann, P., Franken, P.   | A homologue of the cell cycle check point TOR2 from <i>Saccharomyces cerevisiae</i> exists in the arbuscular mycorrhizal fungus <i>Glomus mosseae</i>  |
| 99  | Nguyen, H., Brown, R. C.,<br>Lemmon, B. E.   | The specialized chalazal endosperm in <i>Arabidopsis thaliana</i> and <i>Lepidium virginicum</i> (Brassicaceae)  |
| 111 | Vorob'ev, V. N., Anisimov, A. V.   | Regulation of transmembrane water transfer by rotational motion of plant cell protoplasm   |
| 115 | Gens, J. S., Fujiki, M., Pickard, B. G.  | Arabinogalactan protein and wall-associated kinase in a plasmalemmal reticulum with specialized vertices   |
| 134 | Impressum  |  |

Abstracted/Indexed in:  
Current Contents, SCI, ASCA, ISI/BIOMED,  
Elsevier Biobase/Current Awareness in Biological Sciences,  
Biosis, ADONIS, CAB Abstracts, Reference Update

Printed on acid-free and chlorine-free bleached paper