



Cover: An adult *Elysia chlorotica* (about 3 cm in length). Early in its life cycle, *E. chlorotica* feeds on the alga *Vaucheria litorea* and selectively retains the chloroplasts in cells that line its highly branched digestive tract. The mechanisms supporting establishment of the kleptoplasty and long-term functioning of the kleptoplasts remain active areas of investigation. Image: Mary Tyler and Mary Rumpho, University of Maine, USA. See article by R. Dorrell and C. J. Howe (pp. 1865–1875).

Cell Science at a Glance

- 1839 **Integrin-linked kinase at a glance.** Widmaier, M., Rognoni, E., Radovanac, K., Azimifar, S. B. and Fässler, R.

Commentaries

- 1845 **Kidins220/ARMS as a functional mediator of multiple receptor signalling pathways.** Neubrand, V. E., Cesca, F., Benfenati, F. and Schiavo, G.
- 1855 **Actin stress fibers – assembly, dynamics and biological roles.** Tojkander, S., Gateva, G. and Lappalainen, P.
- 1865 **What makes a chloroplast? Reconstructing the establishment of photosynthetic symbioses.** Dorrell, R. G. and Howe, C. J.

Short Report

- 1877 **Cadherin-dependent differential cell adhesion in *Xenopus* causes cell sorting in vitro but not in the embryo.** Ninomiya, H., David, R., Damm, E. W., Fagotto, F., Niessen, C. M. and Winklbauer, R.

Research Articles

- 1884 **Cannabinoid receptors in submandibular acinar cells: Functional coupling between saliva fluid and electrolytes secretion and Ca^{2+} signalling.** Kopach, O., Vats, J., Netsyk, O., Voitenko, N., Irving, A. and Fedirko, N.
- 1896 **Identification of a functional domain within the p115 tethering factor that is required for Golgi ribbon assembly and membrane trafficking.** Grabski, R., Balklava, Z., Wyrozumska, P., Szul, T., Brandon, E., Alvarez, C., Holloway, Z. G. and Sztul, E.
- 1910 **The fusion of early endosomes induces molecular-motor-driven tubule formation and fission.** Skjeldal, F. M., Strunze, S., Bergeland, T., Walseng, E., Gregers, T. F. and Bakke, O.
- 1920 **The Vam6 and Gtr1–Gtr2 pathway activates TORC1 in response to amino acids in fission yeast.** Valbuena, N., Guan, K.-L. and Moreno, S.
- 1929 **ER α -mediated repression of pro-inflammatory cytokine expression by glucocorticoids reveals a crucial role for TNF α and IL1 α in lumen formation and maintenance.** Eritja, N., Mirantes, C., Llobet, D., Masip, G., Matias-Guiu, X. and Dolcet, X.
- 1945 **Disruption of Kif3a in osteoblasts results in defective bone formation and osteopenia.** Qiu, N., Xiao, Z., Cao, L., Buechel, M. M., David, V., Roan, E. and Quarles, L. D.

- 1958 **Different effects of Sec61 α , Sec62 and Sec63 depletion on transport of polypeptides into the endoplasmic reticulum of mammalian cells.** Lang, S., Benedix, J., Fedeles, S. V., Schorr, S., Schirra, C., Schäuble, N., Jalal, C., Greiner, M., Haßdenteufel, S., Tatzelt, J., Kreutzer, B., Edelmann, L., Krause, E., Rettig, J., Somlo, S., Zimmermann, R. and Dudek, J.
- 1970 **Stepwise androgen receptor dimerization.** van Royen, M. E., van Cappellen, W. A., de Vos, C., Houtsmuller, A. B. and Trapman, J.
- 1980 **Snakeskin, a membrane protein associated with smooth septate junctions, is required for intestinal barrier function in *Drosophila*.** Yanagihashi, Y., Usui, T., Izumi, Y., Yonemura, S., Sumida, M., Tsukita, S., Uemura, T. and Furuse, M.
- 1991 **Myo1c regulates lipid raft recycling to control cell spreading, migration and *Salmonella* invasion.** Brandstaetter, H., Kendrick-Jones, J. and Buss, F.
- 2004 **Binding of the ER α and ARNT1 AF2 domains to exon 21 of the SRC1 isoform SRC1e is essential for estrogen- and dioxin-related transcription.** Endler, A., Chen, L., Zhang, J., Xu, G.-T. and Shibasaki, F.
- 2017 **Ror family receptor tyrosine kinases regulate the maintenance of neural progenitor cells in the developing neocortex.** Endo, M., Doi, R., Nishita, M. and Minami, Y.
- 2030 **GKAP–DLC2 interaction organizes the postsynaptic scaffold complex to enhance synaptic NMDA receptor activity.** Moutin, E., Raynaud, F., Fagni, L. and Perroy, J.
- 2041 **A conserved role of IQGAPI in regulating TOR complex 1.** Tekletsadik, Y. K., Sonn, R. and Osman, M. A.
- 2053 **Origin, composition, organization and function of the inner membrane complex of *Plasmodium falciparum* gametocytes.** Dearnley, M. K., Yeoman, J. A., Hanssen, E., Kenny, S., Turnbull, L., Whitchurch, C. B., Tilley, L. and Dixon, M. W. A.
- 2064 **SUMO conjugation is required for the assembly of *Drosophila* Su(Hw) and Mod(mdg4) into insulator bodies that facilitate insulator complex formation.** Golovnin, A., Volkov, I. and Georgiev, P.
- 2075 **The non-coding 3' UTR of CD44 induces metastasis by regulating extracellular matrix functions.** Rutnam, Z. J. and Yang, B. B.