Contents:
The Journal of Cell Biology
Volume 137, Number 7, June 30, 1997

1459 Chromatin dynamics in interphase nuclei and its implications for nuclear structure.

1469 Physiological regulation of membrane protein sorting late in the secretory pathway of Saccharomyces cerevisiae.
K.J. Roberg, N. Rowley, and C.A. Kaiser

1483 The luminal domain of sec63p stimulates the ATPase activity of BiP and mediates BiP recruitment to the translocon in Saccharomyces cerevisiae.
A.K. Corsi and R. Schekman

1495 Sec2p mediates nucleotide exchange on Sec4p and is involved in polarized delivery of post-Golgi vesicles.
C. Walch-Solimena, R.N. Collins, and P.J. Novick

1511 The yeast v-SNARE Vti1p mediates two vesicle transport pathways through interactions with the t-SNAREs Sed5p and Pep12p.
G. Fischer von Mollard, S.F. Nothwehr, and T.H. Stevens

1525 The first 35 amino acids and fatty acylation sites determine the molecular targeting of endothelial nitric oxide synthase into the Golgi region of cells: A green fluorescent protein study.
J. Liu, T.E. Hughes, and W.C. Sessa

1537 The Chlamydomonas mating type plus fertilization tubule, a protocell cell fusion organelle: Isolation, characterization, and in vitro adhesion to mating type minus gametes.
N.F. Wilson, M.J. Foglesong, and W.J. Snell

1555 IQGAP1, a Rac- and Cdc42-binding protein, directly binds and cross-links microfilaments.

1567 Kinetochore fiber maturation in PtK1 cells and its implications for the mechanisms of chromosome congression and anaphase onset.

1581 Human Bcl-2 reverses survival defects in yeast lacking superoxide dismutase and delays death of wild-type yeast.

1589 Brain myosin V is a synaptic vesicle-associated motor protein: Evidence for a Ca2+-dependent interaction with the synaptobrevin–synaptophysin complex.
R. Prekeris and D.M. Terrian

M.F.B.G. Gebbink, O. Kraneburg, M. Poland, F.P.G. van Horck, B. Houssa, and W.H. Moolenaar

1615 Delayed development of nervous system in mice homozygous for disrupted microtubule-associated protein 1B (MAP1B) gene.
Y. Takei, S. Kondo, A. Harada, S. Inomata, T. Noda, and N. Hirokawa

1627 Induced expression of trimerized intracellular domains of the human tumor necrosis factor (TNF) p55 receptor elicits TNF effects.
V. Vandevooorde, G. Haegeman, and W. Fiers

1639 ZAP-70 protein tyrosine kinase is constitutively targeted to the T cell cortex independently of its SH2 domains.
R.D.J. Huby, M. Iwashima, A. Weiss, and S.C. Ley

1651 Dynamics of β-catenin interactions with APC protein regulate epithelial tubulogenesis.
A.L. Pollack, A.I.M. Barth, Y. Altschuler, W.J. Nelson, and K.E. Mostov

1663 Cross talk between adhesion molecules: Control of N-cadherin activity by intracellular signals elicited by β1 and β3 integrins in migrating neural crest cells.
F. Monier-Gavelle and J.-L. Duband

1683 ADDITIONS AND CORRECTIONS

1685 AUTHOR INDEX FOR VOLUME 137

1695 SUBJECT INDEX FOR VOLUME 137

Cover picture: During fertilization in Chlamydomonas, cAMP formed during sexual interactions with mt+ gametes induces the erection in mt+ gametes of the fertilization tubule, an actin-filled, microvillus-like organelle responsible for gametic fusion. This figure shows fertilization tubules (green) on mt+ gametes that were artificially stimulated by incubation with dbcAMP. Under these conditions, ~100% of the cells formed fertilization tubules, an important step in the isolation of this fusogenic organelle. See related article in this issue by Wilson et al., 1537–1553.