

Table of Contents

InCytes from <i>MBC</i>	1281
-------------------------------	------

Articles

An InCytes from <i>MBC</i> Selection Global Analysis of Yeast Endosomal Transport Identifies the Vps55/68 Sorting Complex C. Schluter, K.K.Y. Lam, J. Brumm, B. W. Wu, M. Saunders, T. H. Stevens, J. Bryan, and E. Conibear	1282–1294
Cation Diffusion Facilitator Cis4 Is Implicated in Golgi Membrane Trafficking via Regulating Zinc Homeostasis in Fission Yeast Y. Fang, R. Sugiura, Y. Ma, T. Yada-Matsushima, H. Umeno, and T. Kuno	1295–1303
The Primate-specific Protein TBC1D3 Is Required for Optimal Macropinocytosis in a Novel ARF6-dependent Pathway E. Frittoli, A. Palamidessi, A. Pizzigoni, L. Lanzetti, M. Garrè, F. Troglio, A. Troilo, M. Fukuda, P. P. Di Fiore, G. Scita, and S. Confalonieri	1304–1316
Roles of Greatwall Kinase in the Regulation of Cdc25 Phosphatase Y. Zhao, O. Haccard, R. Wang, J. Yu, J. Kuang, C. Jessus, and M. L. Goldberg	1317–1327
Gp78 Cooperates with RMA1 in Endoplasmic Reticulum-associated Degradation of CFTRΔF508 D. Morito, K. Hirao, Y. Oda, N. Hosokawa, F. Tokunaga, D. M. Cyr, K. Tanaka, K. Iwai, and K. Nagata ...	1328–1336
APY-1, a Novel <i>Caenorhabditis elegans</i> Apyrase Involved in Unfolded Protein Response Signalling and Stress Responses D. Uccelletti, A. Pascoli, F. Farina, A. Alberti, P. Mancini, C. B. Hirschberg, and C. Palleschi	1337–1345
UVB-induced Senescence in Human Keratinocytes Requires a Functional Insulin-like Growth Factor-1 Receptor and p53 D. A. Lewis, Q. Yi, J. B. Travers, and D. F Spandau	1346–1353
UME6, a Novel Filament-specific Regulator of <i>Candida albicans</i> Hyphal Extension and Virulence M. Banerjee, D. S. Thompson, A. Lazzell, P. L. Carlisle, C. Pierce, C. Monteagudo, J. L. López-Ribot, and D. Kadosh	1354–1365
ATP25, a New Nuclear Gene of <i>Saccharomyces cerevisiae</i> Required for Expression and Assembly of the Atp9p Subunit of Mitochondrial ATPase X. Zeng, M. H. Barros, T. Shulman, and A. Tzagoloff	1366–1377
Disruption of c-Jun Reduces Cellular Migration and Invasion through Inhibition of c-Src and Hyperactivation of ROCK II Kinase X. Jiao, S. Katiyar, M. Liu, S. C. Mueller, M. P. Lisanti, A. Li, T. G. Pestell, K. Wu, X. Ju, Z. Li, E. F. Wagner, T. Takeya, C. Wang, and R. G. Pestell	1378–1390
Spre1 and TESK1—Two New Interaction Partners of the Kinase MARKK/TAO1 That Link the Microtubule and Actin Cytoskeleton C. Johne, D. Matenia, X. Li, T. Timm, K. Balusamy, and E.-M. Mandelkow	1391–1403
Galectin-1 Is a Novel Structural Component and a Major Regulator of H-Ras Nanoclusters L. Belanis, S. J. Plowman, B. Rotblat, J. F. Hancock, and Y. Kloog	1404–1414
An InCytes from <i>MBC</i> Selection Phosphatidylinositol-4-Kinase Type II Alpha Contains an AP-3-sorting Motif and a Kinase Domain That Are Both Required for Endosome Traffic B. Craige, G. Salazar, and V. Faundez	1415–1426
Inactivation of Host Akt/Protein Kinase B Signaling by Bacterial Pore-forming Toxins T. J. Wiles, B. K. Dhakal, D. S. Eto, and M. A. Mulvey	1427–1438
The Tip Growth Apparatus of <i>Aspergillus nidulans</i> N. Taheri-Talesh, T. Horio, L. Araujo-Bazán, X. Dou, E. A. Espeso, M. A. Peñalva, S. A. Osmani, and B. R. Oakley	1439–1449
Different Effects of <i>Tetrahymena</i> IFT172 Domains on Anterograde and Retrograde Intraflagellar Transport C.-C. Tsao and M. A. Gorovsky	1450–1461

Table of Contents

Impaired Hair Follicle Morphogenesis and Polarized Keratinocyte Movement upon Conditional Inactivation of Integrin-linked Kinase in the Epidermis K.-A. Nakrieko, I. Welch, H. Dupuis, D. Bryce, A. Pajak, R. St. Arnaud, S. Dedhar, S. J.-A. D'Souza, and L. Dagnino	1462–1473
Analysis of Unregulated Formin Activity Reveals How Yeast Can Balance F-Actin Assembly between Different Microfilament-based Organizations L. Gao and A. Bretscher	1474–1484
The Microtubule-severing Proteins Spastin and Katanin Participate Differently in the Formation of Axonal Branches W. Yu, L. Qiang, J. M. Solowska, A. Karabay, S. Korulu, and P. W. Baas	1485–1498
Inactivation of Cleavage Factor I Components Rna14p and Rna15p Induces Sequestration of Small Nucleolar Ribonucleoproteins at Discrete Sites in the Nucleus T. Carneiro, C. Carvalho, J. Braga, J. Rino, L. Milligan, D. Tollervy, and M. Carmo-Fonseca	1499–1508
Sep7 Is Essential to Modify Septin Ring Dynamics and Inhibit Cell Separation during <i>Candida albicans</i> Hyphal Growth A. González-Novo, J. Correa-Bordes, L. Labrador, M. Sánchez, C. R. Vázquez de Aldana, and J. Jiménez ..	1509–1518
Involvement of the p38 Mitogen-activated Protein Kinase α, β, and γ Isoforms in Myogenic Differentiation H. Wang, Q. Xu, F. Xiao, Y. Jiang, and Z. Wu	1519–1528
UNC-98 and UNC-96 Interact with Paramyosin to Promote Its Incorporation into Thick Filaments of <i>Caenorhabditis elegans</i> R. K. Miller, H. Qadota, K. B. Mercer, K. M. Gernert, and G. M. Benian	1529–1539
Identification of Ciliary Localization Sequences within the Third Intracellular Loop of G Protein-coupled Receptors N. F. Barbari, A. D. Johnson, J. S. Lewis, C. C. Askwith, and K. Mykityn	1540–1547
Immortalization of Neural Precursors When Telomerase Is Overexpressed in Embryonal Carcinomas and Stem Cells A. E. Schwob, L. J. Nguyen, and K. F. Meiri	1548–1560
Arp2/3 Complex Is Important for Filopodia Formation, Growth Cone Motility, and Neuritogenesis in Neuronal Cells F. Korobova and T. Svitkina	1561–1574
SoxE Proteins Are Differentially Required in Mouse Adrenal Gland Development S. Reiprich, C. C. Stolt, S. Schreiner, R. Parlato, and M. Wegner	1575–1586
The Chicken Yolk Sac IgY Receptor, a Mammalian Mannose Receptor Family Member, Transcytoses IgY across Polarized Epithelial Cells D. B. Tesar, E. J. Cheung, and P. J. Bjorkman	1587–1593
The Postsynaptic Density 95/Disc-Large/Zona Occludens Protein Syntenin Directly Interacts with Frizzled 7 and Supports Noncanonical Wnt Signaling A. Luyten, E. Mortier, C. Van Campenhout, V. Taelman, G. Degeest, G. Wuytens, K. Lambaerts, G. David, E. J. Bellefroid, and P. Zimmermann	1594–1604
Formation of E-Cadherin/β-Catenin-based Adherens Junctions in Hepatocytes Requires Serine-10 in p27(Kip1) D. Théard, M. A. Raspe, D. Kalicharan, D. Hoekstra, and S.C.D. van IJzendoorn	1605–1613
STRADα Regulates LKB1 Localization by Blocking Access to Importin-α, and by Association with Crm1 and Exportin-7 J. Dorfman and I. G. Macara	1614–1626
A Novel Cas Family Member, HEPL, Regulates FAK and Cell Spreading M. K. Singh, D. Dadke, E. Nicolas, I. G. Serebriiskii, S. Apostolou, A. Canutescu, B. L. Egleston, and E. A. Golemis	1627–1636

Table of Contents

Na/H Exchange Regulatory Factor 1, a Novel AKT-associating Protein, Regulates Extracellular Signal-regulated Kinase Signaling through a B-Raf-Mediated Pathway B. Wang, Y. Yang, and P. A. Friedman	1637–1645
Sister Kinetochores Recapture in Fission Yeast Occurs by Two Distinct Mechanisms, Both Requiring Dam1 and Klp2 Y. Gachet, C. Reyes, T. Courthéoux, S. Goldstone, G. Gay, C. Serrurier, and S. Tournier	1646–1662
An InCytos from <i>MBC</i> Selection Diffusion Coefficient of Fluorescent Phosphatidylinositol 4,5-bisphosphate in the Plasma Membrane of Cells U. Golebiewska, M. Nyako, W. Woturski, I. Zaitseva, and S. McLaughlin	1663–1669
Activation of <i>Srk1</i> by the Mitogen-activated Protein Kinase <i>Sty1/Spc1</i> Precedes Its Dissociation from the Kinase and Signals Its Degradation S. López-Avilés, E. Lambea, A. Moldón, M. Grande, A. Fajardo, M. A. Rodríguez-Gabriel, E. Hidalgo, and R. Aligue	1670–1679
An InCytos from <i>MBC</i> Selection Px1p, a Paxillin-related Protein, Stabilizes the Actomyosin Ring during Cytokinesis in Fission Yeast W. Ge and M. K. Balasubramanian	1680–1692
A Mutant Allele of <i>MRE11</i> Found in Mismatch Repair-deficient Tumor Cells Suppresses the Cellular Response to DNA Replication Fork Stress in a Dominant Negative Manner Q. Wen, J. Scorah, G. Phear, G. Rodgers, S. Rodgers, and M. Meuth	1693–1705
A Novel Role for PA28γ-Proteasome in Nuclear Speckle Organization and SR Protein Trafficking V. Baldin, M. Militello, Y. Thomas, C. Doucet, W. Fic, S. Boireau, I. Jariel-Encontre, M. Piechaczyk, E. Bertrand, J. Tazi, and O. Coux	1706–1716
Mammalian Septins Are Required for Phagosome Formation Y.-W. Huang, M. Yan, R. F. Collins, J. E. DiCiccio, S. Grinstein, and W. S. Trimble	1717–1726
An InCytos from <i>MBC</i> Selection <i>Schizosaccharomyces pombe</i> Px1 Is a Paxillin Homologue That Modulates Rho1 Activity and Participates in Cytokinesis M. Pinar, P. M. Coll, S. A. Rincón, and P. Pérez	1727–1738
Counteractive Control of Polarized Morphogenesis during Mating by Mitogen-activated Protein Kinase Fus3 and G1 Cyclin-dependent Kinase L. Yu, M. Qi, M. A. Sheff, and E. A. Elion	1739–1752
Nup53 Is Required for Nuclear Envelope and Nuclear Pore Complex Assembly L. A. Hawryluk-Gara, M. Platani, R. Santarella, R. W. Wozniak, and I. W. Mattaj	1753–1762
G1/S Cyclin-dependent Kinase Regulates Small GTPase Rho1p through Phosphorylation of RhoGEF Tus1p in <i>Saccharomyces cerevisiae</i> K. Kono, S. Nogami, M. Abe, M. Nishizawa, S. Morishita, D. Pellman, and Y. Ohya	1763–1771
RASSF7 Is a Member of a New Family of RAS Association Domain-containing Proteins and Is Required for Completing Mitosis V. Sherwood, R. Manbodh, C. Sheppard, and A. D. Chalmers	1772–1782
Protein Kinases Fpk1p and Fpk2p are Novel Regulators of Phospholipid Asymmetry K. Nakano, T. Yamamoto, T. Kishimoto, T. Noji, and K. Tanaka	1783–1797
The Human Spindle Assembly Checkpoint Protein Bub3 Is Required for the Establishment of Efficient Kinetochores–Microtubule Attachments E. Logarinho, T. Resende, C. Torres, and H. Bousbaa	1798–1813