

Biochemical Journal**Volume 355, part 2****15 April 2001**First published on the Internet
6 April 2001
<http://www.BiochemJ.org>**Subscribing organizations are encouraged to copy and distribute this table of contents for non-commercial purposes****Review**

- Cellular functions of phosphatidylinositol 3-phosphate and FYVE domain proteins**
by D.J. Gillooly, A. Simonsen and H. Stenmark

249–258**Research Papers**

The molecular basis of oculocutaneous albinism type 1 (OCA1): sorting failure and degradation of mutant tyrosinases results in a lack of pigmentation

Transgenic mice with inactive alleles for procollagen N-proteinase (ADAMTS-2) develop fragile skin and male sterility

Genomic organization and characterization of splice variants of the human histamine H₃ receptor

Conserved C-terminal residues within the lectin-like domain of LOX-1 are essential for oxidized low-density-lipoprotein binding

Identification and characterization of a novel sucrose-non-fermenting protein kinase/AMP-activated protein kinase-related protein kinase, SNARK

Differential effects of oncostatin M and leukaemia inhibitory factor expression in astrocytoma cells

Purification and characterization of thiol-reagent-sensitive glycerol-3-phosphate acyltransferase from the membrane fraction of an oleaginous fungus

Thioacetylation is required for targeting G-protein subunit G_{o1}α to detergent-insoluble caveolin-containing membrane domains

Mechanism of malarial haem detoxification inhibition by chloroquine

Cloning and rational mutagenesis of kexstatin I, a potent proteinaceous inhibitor of Kex2 proteinase

Phosphorylation of murine double minute clone 2 (MDM2) protein at serine-267 by protein kinase CK2 *in vitro* and in cultured cells

Heat-shock protein 90 augments neuronal nitric oxide synthase activity by enhancing Ca²⁺/calmodulin binding

Up-regulation of steroid sulphatase activity in HL60 promyelocytic cells by retinoids and 1α,25-dihydroxyvitamin D₃

Influence of phenylalanine-481 substitutions on the catalytic activity of cytochrome P450 2D6

Cloning and characterization of a fourth human lysyl oxidase isoenzyme

K. Toyofuku, I. Wada, R.A. Spritz and V.J. Hearing

259–269

S.-W. Li, M. Arita, A. Fertala, Y. Bao, G.C. Kopen, T.K. Långsjö, M.M. Hyttinen, H.J. Helminen and D.J. Prockop

271–278

F. Cogé, S.-P. Guénin, V. Audinot, A. Renouard-Try, P. Beauverger, C. Macia, C. Ouvry, N. Nagel, H. Rique, J.A. Boutin and J.-P. Galizzi

279–288

M. Chen, S. Narumiya, T. Masaki and T. Sawamura

289–296

D.L. Lefebvre, Y. Bai, N. Shahmolky, M. Sharma, R. Poon, D.J. Drucker and C.F. Rosen

297–305

A. Kasza, K. Rogowski, W. KilarSKI, R. Sobota, T. Bernas, J. Dobrucki, J. Travis, A. Koj, M. Bugno and T. Kordula

307–314

S. Mishra and Y. Kamisaka

315–322

F. Guzzi, D. Zanchetta, B. Chini and M. Parenti

323–331

A.V. Pandey, H. Bisht, V.K. Babbarwal, J. Srivastava, K.C. Pandey and V.S. Chauhan

333–338

K. Oda, H. Oyama, S. Ito, M. Fukiharu, Y. Miyagawa, S. Takahashi, M. Hirose, N. Kikuchi, T. Nakayama and Y. Shibano

339–346

M. Hjerrild, D. Milne, N. Dumaz, T. Hay, O.-G. Issinger and D. Meek

347–356

Y. Song, J.L. Zweier and Y. Xia

357–360

P.J. Hughes, L.E. Twist, J. Durham, M.A. Choudhry, M. Drayson, R. Chandraratna, R.H. Michell, C.J. Kirk and G. Brown

361–371

G.P. Hayhurst, J. Harlow, J. Chowdry, E. Gross, E. Hilton, M.S. Lennard, G.T. Tucker and S.W. Ellis

373–379

J.M. Mäki and K.I. Kivirikko

381–387

Hierarchies of ATP-consuming processes: direct compared with indirect measurements, and comparative aspects	W. Wieser and G. Krumschnabel	389–395
Interaction of plasminogen with dipeptidyl peptidase IV initiates a signal transduction mechanism which regulates expression of matrix metalloproteinase-9 by prostate cancer cells	M. Gonzalez-Gronow, H.E. Grenett, M.R. Weber, G. Gawdi and S.V. Pizzo	397–407
Recruitment of coat-protein-complex proteins onto phagosomal membranes is regulated by a brefeldin A-sensitive ADP-ribosylation factor	W. Berón, L.S. Mayorga, M.I. Colombo and P.D. Stahl	409–415
Differences in tissue-specific and embryonic expression of mouse <i>Ceacam1</i> and <i>Ceacam2</i> genes	E. Han, D. Phan, P. Lo, M.N. Poy, R. Behringer, S.M. Najjar and S.-H. Lin	417–423
Expression of indoleamine 2,3-dioxygenase and tryptophan 2,3-dioxygenase in early concepti	S. Suzuki, S. Toné, O. Takikawa, T. Kubo, I. Kohno and Y. Minatogawa	425–429
Identification and characterization of UDP- <i>N</i> -acetylenolpyruvylglucosamine reductase (<i>MurB</i>) from the Gram-positive pathogen <i>Streptococcus pneumoniae</i>	D.R. Sylvester, E. Alvarez, A. Patel, K. Ratnam, H. Kallender and N.G. Wallis	431–435
p38 mitogen-activated kinase is a bidirectional regulator of human fibroblast collagenase-1 induction by three-dimensional collagen lattices	J. Xu, R.A. Clark and W.C. Parks	437–447
Detection of phospholipid oxidation in oxidatively stressed cells by reversed-phase HPLC coupled with positive-ionization electrospray MS	C.M. Spickett, N. Rennie, H. Winter, L. Zambonin, L. Landi, A. Jerlich, R.J. Schaur and A.R. Pitt	449–457
Telomerase is regulated by protein kinase C- ζ in human nasopharyngeal cancer cells	C.-C. Yu, S.-C. Lo and T.-C.V. Wang	459–464
Modulation of epidermal growth factor receptor phosphorylation by endogenously expressed gangliosides	A.R. Zurita, H.J.F. Maccioni and J.L. Daniotti	465–472
Influence of metallothionein-1 localization on its function	M. Levadoux-Martin, J.E. Hesketh, J.H. Beattie and H.M. Wallace	473–479
Differential involvement of peroxisome-proliferator-activated receptors α and δ in fibrate and fatty-acid-mediated inductions of the gene encoding liver fatty-acid-binding protein in the liver and the small intestine	H. Poirier, I. Niot, M.-C. Monnot, O. Braissant, C. Meunier-Durmort, P. Costet, T. Pineau, W. Wahli, T.M. Willson and P. Besnard	481–488
Identification, characterization and leucocyte expression of Siglec-10, a novel human sialic acid-binding receptor	J. Munday, S. Kerr, J. Ni, A.L. Cornish, J.Q. Zhang, G. Nicoll, H. Floyd, M.-G. Mattei, P. Moore, D. Liu and P.R. Crocker	489–497
GTP cyclohydrolase I mRNA: novel splice variants in the slime mould <i>Physarum polycephalum</i> and in human monocytes (THP-1) indicate conservation of mRNA processing	G. Golderer, E.R. Werner, C. Heufler, W. Strohmaier, P. Gröbner and G. Werner-Felmayer	499–507
cyp7b1 catalyses the 7 α -hydroxylation of dehydroepiandrosterone and 25-hydroxycholesterol in rat prostate	C. Martin, R. Bean, K. Rose, F. Habib and J. Seckl	509–515
Epidermal transformation leads to increased perlecan synthesis with heparin-binding-growth-factor affinity	P. Tapanadechopone, S. Tumova, X. Jiang and J.R. Couchman	517–527
Transcriptional and translational mechanisms of cytochrome b_5 reductase isoenzyme generation in humans	A. Leroux, L. Mota Vieira and A. Kahn	529–535
Co-operative regulation of the transcription of human dihydrodiol dehydrogenase (DD)4/aldo-keto reductase (AKR)1C4 gene by hepatocyte nuclear factor (HNF)-4 α/γ and HNF-1 α	T. Ozeki, Y. Takahashi, T. Kume, K. Nakayama, T. Yokoi, K.-I. Nunoya, A. Hara and T. Kamataki	537–544