

**Biochemical Journal**  
**Volume 358, part 2**  
**1 September 2001**

First published on the Internet  
24 August 2001  
<http://www.BiochemJ.org>

**Subscribing organizations are encouraged to copy and distribute this table of contents for non-commercial purposes**

**Research Communications**

Early phosphoinositide 3-kinase activity is required for late activation of protein kinase C $\epsilon$  in platelet-derived-growth-factor-stimulated cells: evidence for signalling across a large temporal gap

Crystal structure of the phosphatidylinositol 3,4-bisphosphate-binding pleckstrin homology (PH) domain of tandem PH-domain-containing protein 1 (TAPP1): molecular basis of lipid specificity

E. Balciunaite and A. Kazlauskas

**281–285**

**Research Papers**

Biosynthesis and intracellular post-translational processing of normal and mutant platelet glycoprotein GPIb-IX

Heterogeneous nuclear ribonucleoprotein E1B-AP5 is methylated in its Arg-Gly-Gly (RGG) box and interacts with human arginine methyltransferase HRMT1L1

Inhibition of the neutrophil NADPH oxidase and associated H $^{+}$  channel by diethyl pyrocarbonate (DEPC), a histidine-modifying agent: evidence for at least two target sites

Suicide inactivation of xanthine oxidoreductase during reduction of inorganic nitrite to nitric oxide

Semicarbazide-sensitive amine oxidase activation promotes adipose conversion of 3T3-L1 cells

Concurrent overexpression of ornithine decarboxylase and spermidine/spermine N<sup>1</sup>-acetyltransferase further accelerates the catabolism of hepatic polyamines in transgenic mice

Adenine nucleotide translocator isoforms 1 and 2 are differently distributed in the mitochondrial inner membrane and have distinct affinities to cyclophilin D

Mutational analysis of the proteolytic domain of pregnancy-associated plasma protein-A (PAPP-A): classification as a metzincin

Ubiquitination is essential for human cytomegalovirus US11-mediated dislocation of MHC class I molecules from the endoplasmic reticulum to the cytosol

Evidence for a novel natriuretic peptide receptor that prefers brain natriuretic peptide over atrial natriuretic peptide

Independent and synergistic interaction of retinal G-protein subunits with bovine rhodopsin measured by surface plasmon resonance

Kinetic competence of the cADP-ribose-CD38 complex as an intermediate in the CD38/NAD $^{+}$  glycohydrolase-catalysed reactions: implication for CD38 signalling

P. Ulsemmer, C. Strassel, M.-J. Baas, J. Salamero, S. Chasserot-Golaz, J.-P. Cazenave, C. de la Salle and F. Lanza

J. Kzhyshkowska, H. Schütt, M. Liss, E. Kremmer, R. Stauber, H. Wolf and T. Dobner

T.J. Mankelow and L.M. Henderson

**295–303**

**305–314**

**315–324**

B.L.J. Godber, J.J. Doel, T.A. Goult, R. Eisenthal and R. Harrison

N. Mercier, M. Moldes, K. El Hadri and B. Fève

S. Suppolo, S. Heikkinen, J.J. Parkkinen, M. Uusi-Oukari, V.-P. Korhonen, T. Keinänen, L. Alhonen and J. Jänne

M.Y. Vyssokikh, A. Katz, A. Rueck, C. Wuensch, A. Dörner, D.B. Zorov and D. Brdiczka

H.B. Boldt, M.T. Overgaard, L.S. Laursen, K. Weyer, L. Sottrup-Jensen and C. Osvig

M. Kikkert, G. Hassink, M. Barel, C. Hirsch, F.J. van der Wal and E. Wiertz

M.F. Goy, P.M. Oliver, K.E. Purdy, J.W. Knowles, J.E. Fox, P.J. Mohler, X. Qian, O. Smithies and N. Maeda

W.A. Clark, X. Jian, L. Chen and J.K. Northup

**349–358**

**359–367**

**369–377**

**379–387**

**389–397**

C. Cakir-Kiefer, H. Müller-Steffner, N. Oppenheimer and F. Schuber

**399–406**

---

Cell-cycle-dependent association of protein phosphatase 1 and focal adhesion kinase	M. Fresu, M. Bianchi, J.T. Parsons and E. Villa-Moruzzi	<b>407–414</b>
A role for smooth endoplasmic reticulum membrane cholesterol ester in determining the intracellular location and regulation of sterol-regulatory-element-binding protein-2	C.R. Iddon, J. Wilkinson, A.J. Bennett, J. Bennett, A.M. Salter and J.A. Higgins	<b>415–422</b>
Glycosylation by <i>Pichia pastoris</i> decreases the affinity of a family 2a carbohydrate-binding module from <i>Cellulomonas fimi</i> : a functional and mutational analysis	A.B. Boraston, R.A.J. Warren and D.G. Kilburn	<b>423–430</b>
Colony-stimulating factor-1 (CSF-1) receptor-mediated macrophage differentiation in myeloid cells: a role for tyrosine 559-dependent protein phosphatase 2A (PP2A) activity	K.-A. McMahon, N.J. Wilson, D.C. Marks, T.L. Beecroft, G.A. Whitty, J.A. Hamilton, X.F. Csar	<b>431–436</b>
Analysis of sucrose accumulation in the sugar cane culm on the basis of <i>in vitro</i> kinetic data	J.M. Rohwer and F.C. Botha	<b>437–445</b>
Subnuclear localization and mitotic phosphorylation of HIRA, the human homologue of <i>Saccharomyces cerevisiae</i> transcriptional regulators Hir1p/Hir2p	F. De Lucia, S. Lorain, C. Scamps, F. Galisson, J. Machold and M. Lipinski	<b>447–455</b>
Biochemical characterization of the $\beta$ -1,4-glucuronosyltransferase GelK in the gellan gum-producing strain <i>Sphingomonas paucimobilis</i> A.T.C.C. 31461	P. Videira, A. Fialho, R.A. Geremia, C. Breton and I. Sá-Correia	<b>457–464</b>
Direct identification of a major autophosphorylation site on vascular endothelial growth factor receptor Flt-1 that mediates phosphatidylinositol 3'-kinase binding	Y. Yu, J.D. Hulmes, M.T. Herley, R.G. Whitney, J.W. Crabb and J.D. Sato	<b>465–472</b>
Regulation of SulA cleavage by Lon protease by the C-terminal amino acid of SulA, histidine	Y. Ishii and F. Amano	<b>473–480</b>
Phosphoinositide 3-kinase accelerates necrotic cell death during hypoxia	T. Aki, Y. Mizukami, Y. Oka, K. Yamaguchi, K. Uemura, T. Fujimiya and K-i. Yoshida	<b>481–487</b>
c-Jun N-terminal kinase-interacting protein 1 inhibits gene expression in response to hypertrophic agonists in neonatal rat ventricular myocytes	S.G. Finn, M. Dickens and S.J. Fuller	<b>489–495</b>
Glucose exerts a permissive effect on the regulation of the initiation factor 4E binding protein 4E-BP1	J. Patel, X. Wang and C.G. Proud	<b>497–503</b>
Local and spatial factors determining HIV-1 protease substrate recognition	S. Hazebrouck, V. Machtelinckx-Delmas, J.-J. Kupiec and P. Sonigo	<b>505–510</b>
Functional interactions between arginine-133 and aspartate-88 in the human reduced folate carrier: evidence for a charge-pair association	X.Y. Liu and L.H. Matherly	<b>511–516</b>
Targeting of GLUT6 (formerly GLUT9) and GLUT in rat adipose cells	I. Lisinski, A. Schürmann, H.-G. Joost, S.W. Cushman and H. Al-Hasani	<b>517–522</b>
Age-related changes in the sulphation of the chondroitin sulphate linkage region from human articular cartilage aggrecan	R.M. Lauder, T.N. Huckerby, G.M. Brown, M.T. Bayliss and I.A. Nieduszynski	<b>523–528</b>