

## Research Papers

Receptor-isoform-selective insulin analogues give tissue-preferential effects

*Published as BJ Immediate Publication 18 August 2011,  
doi:10.1042/BJ20110880*

*Salmonella enterica* serotype Typhimurium usurps the scaffold protein IQGAP1 to manipulate Rac1 and MAPK signalling

*Published as BJ Immediate Publication 18 August 2011,  
doi:10.1042/BJ20110419*

Dimerization of MT1-MMP during cellular invasion detected by fluorescence resonance energy transfer

*Published as BJ Immediate Publication 16 August 2011,  
doi:10.1042/BJ20110424*

Protein kinase D controls voluntary-running-induced skeletal muscle remodelling

*Published as BJ Immediate Publication 18 August 2011,  
doi:10.1042/BJ20101980*

Retinaldehyde is a substrate for human aldo–keto reductases of the 1C subfamily

*Published as BJ Immediate Publication 18 August 2011,  
doi:10.1042/BJ20111286*

Sphingosine kinase type 1 inhibition reveals rapid turnover of circulating sphingosine 1-phosphate

*Published as BJ Immediate Publication 18 August 2011,  
doi:10.1042/BJ20110817*

Ionotropic glutamate receptor (iGluR)-like channels mediate MAMP-induced calcium influx in

*Arabidopsis thaliana*

*Published as BJ Immediate Publication 18 August 2011,  
doi:10.1042/BJ20111112*

Structural stabilization of protein 4.1R FERM domain upon binding to apo-calmodulin: novel insights into the biological significance of the calcium-independent binding of calmodulin to protein 4.1R

*Published as BJ Immediate Publication 17 August 2011,  
doi:10.1042/BJ20110676*

Alternative pathways of dehydroascorbic acid degradation *in vitro* and in plant cell cultures: novel insights into vitamin C catabolism

*Published as BJ Immediate Publication 17 August 2011,  
doi:10.1042/BJ20110939*

Adiponectin inhibits leptin signalling via multiple mechanisms to exert protective effects against hepatic fibrosis

*Published as BJ Immediate Publication 16 August 2011,  
doi:10.1042/BJ20102148*

Insight into the molecular basis for the kinetic differences between the two insulin receptor isoforms

*Published as BJ Immediate Publication 15 August 2011,  
doi:10.1042/BJ20110550*

S.G. Vienberg, S.D. Bouman, H. Sørensen, C.E. Stidsen, T. Kjeldsen, T. Glendorf, A.R. Sørensen, G.S. Olsen, B. Andersen and E. Nishimura

301–308

H. Kim, C.D. White, Z. Li and D.B. Sacks

309–318

Y. Itoh, R. Palmisano, N. Anilkumar, H. Nagase, A. Miyawaki and M. Seiki

319–326



K. Ellwanger, C. Kienzle, S. Lutz, Z.-G. Jin, M.T. Wiekowski, K. Pfizenmaier and A. Haussler

327–334



F.X. Ruiz, S. Porté, O. Gallego, A. Moro, A. Ardèvol, A. Del Río-Espínola, C. Rovira, J. Farrés and X. Parés

335–344



Y. Kharel, T.P. Mathews, A.M. Gellett, J.L. Tomsig, P.C. Kennedy, M.L. Moyer, T.L. Macdonald and K.R. Lynch

345–353



M. Kwaaitaal, R. Huisman, J. Maintz, A. Reinstädler and R. Panstruga

355–365



W. Nunomura, D. Sasakura, K. Shiba, S. Nakamura, S.-i. Kidokoro and Y. Takakuwa

367–374



H.T. Parsons, T. Yasmin and S.C. Fry

375–383



J.A. Handy, P.P. Fu, P. Kumar, J.E. Mellis, S. Sharma, N.K. Saxena and F.A. Anania

385–395

L. Knudsen, P. De Meyts and V.V. Kiselyov

397–403

## Contents

---

Activating ALK mutations found in neuroblastoma are inhibited by Crizotinib and NVP-TAE684  
*Published as BJ Immediate Publication 15 August 2011,*  
doi:10.1042/BJ20101796

C. Schönherr, K. Ruuth, Y. Yamazaki, T. Eriksson,  
J. Christensen, R.H. Palmer and B. Hallberg



405–413

## Corrections

A common structural blueprint for plant UDP-sugar-producing pyrophosphorylases

L.A. Kleczkowski, M. Geisler, E. Fitzek and M. Wilczynska

415

Inhibition of the chlorinating activity of myeloperoxidase by tempol: revisiting the kinetics and mechanisms

R.F. Queiroz, S.M. Vaz and O. Augusto

415