

Contents to volume 320

Minireview

- How does the switch II region of G-domains work? (FEBS 12253) *P.F.W. Stouten, C. Sander, A. Wittinghofer, A. Valencia*

Hypothesis

- NO, thiols and disulfides (FEBS 12246) *P. Girard, P. Potier*

Research Letters

- Tyr-571 is involved in the T7 RNA polymerase binding to its promoter (FEBS 12250) *V.O. Rechinsky, V.L. Tumitskaya, S.M. Dragan, D.A. Kostyuk, S.N. Kochetkov*
- Crystal structure of a distal site double mutant of sperm whale myoglobin at 1.6 Å resolution (FEBS 12259) *M. Rizzi, M. Bolognesi, A. Coda, F. Cutruzzolà, C.T. Allocatelli, A. Brancaccio, M. Brunori*
- A pH induced two-dimensional crystal of membrane-bound Na⁺,K⁺-ATPase of dog kidney (FEBS 12264) *Y. Tahara, S.-i. Ohnishi, Y. Fujiyoshi, Y. Kimura, Y. Hayashi*
- Design of (ω -N-(O acyl)hydroxy amid) aminodicarboxylic acid pyrrolidides as potent inhibitors of proline-specific peptidases (FEBS 12228) *H.-U. Demuth, D. Schlenzig, A. Schierhorn, G. Grosche, M.-P. Chapot-Chartier, J.-C. Gripon*
- Chemical crosslinking studies of the isolated light-harvesting B800-850 complex of *Chromatium minutissimum* (FEBS 12249) *A.A. Moskalenko, O.A. Toropygina*
- Expression of a pokeweed antiviral protein in *Escherichia coli* and its characterization (FEBS 12268) *J. Kataoka, H. Ago, N. Habuka, M. Furuno, C. Masuta, M. Miyano, A. Koizumi*
- Amino acid sequence of alkaliphilic serine protease from silkworm, *Bombyx mori*, larval digestive juice (FEBS 12254) *T. Sasaki, T. Hishida, K. Ichikawa, S.-i. Asari*
- Differentiation-associated expression of prostaglandin G/H synthase in monocytic cells (FEBS 12260) *T. Hoff, D. DeWitt, V. Kaever, K. Resch, M. Goppelt-Strube*
- Primary structure determination and cloning of the cDNA encoding toxin 4 of the scorpion *Centruroides noxius* Hoffmann (FEBS 12270) *A. Vázquez, B. Becerril, B.M. Martín, F. Zamudio, F. Bolívar, L.D. Possani*
- Potential of diacylglycerol-induced activation of protein kinase C by lysophospholipids: Subspecies difference (FEBS 12261) *Y. Sasaki, Y. Asaoka, Y. Nishizuka*
- Synthetic peptides of the rab3 effector domain stimulate a membrane fusion event involved in regulated exocytosis (FEBS 12265) *J.M. Edvardson, C.M. MacLean, G.J. Law*
- Purification and partial characterisation of NADP⁺-linked isocitrate dehydrogenase from rat liver cytosol (FEBS 12262) *H. Fatania, K.E. Al-Nassar, V. Sidhan*
- Structure of the nuclear encoded γ subunit of CF₀CF₁ of the diatom *Odontella sinensis* including its presequence (FEBS 12263) *P.G. Pancic, H. Strotmann*
- Purification and properties of a 155 kDa bone marrow-derived glycoprotein enhancing the activity of granulocyte-macrophage colony stimulating factor (GM-CSF) (FEBS 12242) *A.V. Katlinsky, R.V. Petrov, A.A. Mikhailova, O.D. Laerum*
- Metabolic channelling and control of the flux (FEBS 12171) *B.N. Kholodenko, H.V. Westerhoff*
- 'Channelled' pathways can be more sensitive to specific regulatory signals (FEBS 12251) *B.N. Kholodenko, O.V. Demin, H.V. Westerhoff*

- Distribution of non-class-III β -tubulin isoforms in neuronal and non-neuronal cells (FEBS 12267) *I. Linhartová, E. Dráberová, V. Visklický, P. Dráber*

Commentary

- A comment on: 'The aromatic amino acid content of the bacterial chaperone protein groEL (cpn60): Evidence for the presence of a single tryptophan', by N.C. Price, S.M. Kelly, S. Wood and A. auf der Mauer (1991) FEBS Lett. 292, 9-12 (FEBS 12255) *M.K. Hayer-Hartl, F.-U. Hartl*
- Commentary Response (FEBS 12256) *N.C. Price*
- Corrigendum

Research Letters

- Reduced influx is a factor in accounting for reduced vincristine accumulation in certain verapamil-hypersensitive multidrug-resistant CHO cell lines (FEBS 12266) *M.W. Stow, J.R. Warr*
- Assignment of the ligand binding site of the porcine estradiol receptor to the N-terminal 17 kDa part of domain E (FEBS 12277) *H.H. Thole*
- Characterization of the linker peptide of the single-chain F_v fragment of an antibody by NMR spectroscopy (FEBS 12269) *C. Freund, A. Ross, B. Guth, A. Plückthun, T.A. Holak*
- Primary structure determination of mono- and diacylglycerol lipase from *Penicillium camembertii* (FEBS 12271) *K. Isobe, K. Nokiara*
- Kinetic mechanism of ketoreductase activity of prostaglandin F synthase from bovine lung (FEBS 12275) *O.A. Barski, K. Watanabe*
- Three-dimensional structure of neurotoxin-I from *Naja naja oxiana* venom at 1.9 Å resolution (FEBS 12273) *A.V. Nickitenko, A.M. Michailov, C. Betzel, K.S. Wilson*
- Interaction of carbonyl cyanide *m*-chlorophenylhydrazine with the photosystem II acceptor side (FEBS 12272) *V.D. Samuilov, E.L. Barsky*
- Molecular cloning of a mouse myosin I expressed in brain (FEBS 12283) *J.S. Koslovsky, C. Qian, X. Jiang, J.A. Mercer*
- Precise mapping and molecular characterization of the *MFT1* gene involved in import of a fusion protein into mitochondria in *Saccharomyces cerevisiae* (FEBS 12288) *M. Ito, A. Yasui, A. Komamine*
- Expression and characterization of human D4 dopamine receptors in baculovirus-infected insect cells (FEBS 12278) *A. Mills, B. Allet, A. Bernard, C. Chabert, E. Brandt, C. Cavegn, A. Chollet, E. Kawashima*
- Phorbol esters induce nitric oxide synthase and increase arginine influx in cultured peritoneal macrophages (FEBS 12279) *S. Hortelano, A.M. Genaro, L. Bosca*
- Ca²⁺ binding of latent transforming growth factor- β 1 binding protein (FEBS 12280) *P. Colosetti, U. Hellman, C.-H. Heldin, K. Miyazono*
- Sequence similarity of a hornet (*D. maculata*) venom allergen phospholipase A₁ with mammalian lipases (FEBS 12281) *L. Soldatova, L. Kochoumian, T.P. King*
- Multiple cell cycle access to the apoptotic death programme in human neuroblastoma cells (FEBS 12282) *M. Piacentini, L. Fesus, G. Melino*
- Trans-activation of the murine dystrophin gene in human-mouse hybrid myotubes (FEBS 12297) *M. Noursadeghi, F.S. Walsh, T. Heiman-Patterson, G. Dickson*

- Crystallization and preliminary X-ray investigation of the *Escherichia coli* molecular chaperone cpn60 (GroEL) (FEBS 12285) *M.D. Spangfort, B.P. Surin, J.E. Oppentocht, C. Weibull, E. Carlemalm, N.E. Dixon, L.A. Svensson* 160
- Endothelin-converting enzyme activity in human serum lipoprotein fraction (FEBS 12284) *T. Ohwaki, H. Sakai, Y. Hirata* 165
- Isolation of a novel substrate-competitive tyrosine kinase inhibitor, desmal, from the plant *Desmos chinensis* (FEBS 12286) *H. Kakeya, M. Imoto, Y. Tabata, J. Iwami, H. Matsumoto, K. Nakamura, T. Koyano, K.-i. Tadano, K. Umezawa* 169
- Phospholipase A₂ affects the activity of fusicoccin receptors (FEBS 12301) *P. Aducci, A. Ballio, V. Donini, V. Fogliano, M.R. Fullone, M. Marra* 173
- Sucrose synthase genes in barley: cDNA cloning of the Ss2 type and tissue-specific expression of Ss1 and Ss2 (FEBS 12300) *O.M. de Ilarduya, J. Vicente-Carbajosa, P.S.d. la Hoz, P. Carbonero* 177

Research Letters

- The IP₃-sensitive calcium store of HIT cells is located in a surface-derived vesicle fraction (FEBS 12274) *K. Lange, U. Brandt* 183
- Characterization of a new leurotoxin I-like scorpion toxin: PO₅ from *Androctonus mauretanicus mauretanicus* (FEBS 12276) *H. Zerrouk, P. Mansuelle, A. Benslimane, H. Rochat, M.F. Martin-Eauclaire* 189
- Site-directed mutagenesis of yeast phosphoglycerate kinase: Arginines 65, 121 and 168 (FEBS 12287) *M.D. Barber, S.J. Gamblin, H.C. Watson, J.A. Littlechild* 193
- Interaction of homologues of Hsp70 and Cpn60 with ferredoxin-NADP⁺ reductase upon its import into chloroplasts (FEBS 12290) *R. Tsugeki, M. Nishimura* 198
- Differential inhibition of fungal oxidosqualene cyclase by 6E and 6Z isomers of 2,3-epoxy-10-aza-10,11-dihydrosqualene (FEBS 12289) *G. Balliano, P. Milla, M. Ceruti, F. Viola, L. Carrano, L. Cattel* 203
- Identification of a key domain in annexin and 14-3-3 proteins that stimulate calcium-dependent exocytosis in permeabilized adrenal chromaffin cells (FEBS 12291) *D. Roth, A. Morgan, R.D. Burgoyne* 207
- Analysis of the role of the COL1 domain and its adjacent cysteine-containing sequence in the chain assembly of type IX collagen (FEBS 12292) *L. Labourette, M. van der Rest* 211
- Positional and additive effects of basic amino acids on processing of precursor proteins within the constitutive secretory pathway (FEBS 12296) *T. Watanabe, K. Murakami, K. Nakayama* 215
- Altered metabolism of glutathione in cells transformed by oncogenes which cause resistance to ionizing radiations (FEBS 12293) *M.T. Vincenzini, P. Marraccini, T. Iantomasi, F. Favilli, S. Pacini, M. Ruggiero* 219
- Nicking of the tryptophan synthase β_2 -subunit at Glu-296 prevents the conformational change undergone on binding the α -subunit (FEBS 12302) *H.-J. Linkens, L. Djavadi-Ohanian, M.E. Goldberg* 224
- Identification and molecular characterization of a high-affinity cardiomyocyte transforming growth factor- β 2 receptor (FEBS 12298) *J. Ross, D.R. Janero, D. Hreniuk* 229
- Isolation and characterization of a protease from the marine sponge *Spheciospongia vesparia* (FEBS 12303) *R. Arreguin, B. Arreguin, M. Soriano-Garcia, A. Hernández-Arana, A. Rodríguez-Romero* 235
- Localization of a fibrin polymerization site complementary to Gly-His-Arg sequence (FEBS 12304) *L.V. Medved, S.V. Litvinovich, T.P. Ugarova, N.I. Lukinova, V.N. Kalikhevich, Z.A. Ardemasova* 239
- What is hemimethylated DNA? (FEBS 12305) *R.L.P. Adams, H. Lindsay* 243
- Isolation of two members of the rat MAP kinase kinase gene family (FEBS 12317) *M. Otsu, Y. Terada, H. Okayama* 246
- Lipopolysaccharide promoted opening of the porin channel (FEBS 12311) *J. Ishii, T. Nakae* 251
- Characterization of reactions catalysed by yeast phosphatidylinositol synthase (FEBS 12312) *O. Klezovitch, Y. Brandenburger, M. Geindre, J. Deshusses* 256
- Design, synthesis and functional characterization of a pentameric channel protein that mimics the presumed pore structure of the nicotinic cholinergic receptor (FEBS 12299) *M.O. Montal, T. Iwamoto, J.M. Tomich, M. Montal* 261
- Bioluminescence of the Ca²⁺-binding photoprotein, aequorin, after histidine modification (FEBS 12310) *Y. Ohmiya, F.I. Tsuji* 267
- Two structural genes are encoding malate synthase isoenzymes in *Saccharomyces cerevisiae* (FEBS 12318) *E. Fernandez, M. Fernandez, R. Rodicio* 271
- Restoration of dystrophin-associated proteins in skeletal muscle of mdx mice transgenic for dystrophin gene (FEBS 12326) *K. Matsumura, C.C. Lee, C.T. Caskey, K.P. Campbell* 276

Commentary

- A commentary on: 'Unexpected intron location in non-vertebrate globin genes', by: Moens et al. (FEBS Letters, 312 (1992) 105-109) (FEBS 12294) *B. Pohajdak, B. Dixon* 281
- Commentary Response (FEBS 12295) *L. Moens, J. Vanfleteren, I. De Baere, A.M. Jellie, W. Tate, C.N.A. Trotman* 284
- Notes to Authors 288
- Author Index to Volume 320 290
- Contents to Volume 320 294