

Contents to volume 174

Research Letters

Evidence for a homogeneous lateral distribution of lipids in a bacterial membrane (FEBS 1703) <i>J. de Bony, G. Martin, M. Welby, J.F. Tocanne</i>	1
The Rhesus (D) polypeptide is linked to the human erythrocyte cytoskeleton (FEBS 1697) <i>K. Ridgwell, M.J.A. Tanner, D.J. Anstee</i>	7
ADP binds similarly to rigor muscle myofibrils and to actomyosin-subfragment one (FEBS 1700) <i>R.E. Johnson, P.H. Adams</i>	11
Conformational heterogeneity in polypeptide cardiac stimulants from sea anemones (FEBS 1701) <i>P.R. Gooley, J.W. Blunt, R.S. Norton</i>	15
Thermostable valyl-tRNA, isoleucyl-tRNA and methionyl-tRNA synthetases from an extreme thermophile <i>Thermus thermophilus</i> HB8: protein structure and Zn ²⁺ binding (FEBS 1702) <i>D. Kohda, S. Yokoyama, T. Miyazawa</i>	20
Tentative identification of the apoproteins of iron-sulfur centers of Photosystem I (FEBS 1704) <i>B. Lagoutte, P. Setif, J. Duranton</i>	24
Calmodulin may mediate 1,25-dihydroxyvitamin D-stimulated intestinal calcium transport (FEBS 1705) <i>D.D. Bikle, S. Munson, J. Chafouleas</i>	30
Effects of 3,5,3'-triiodothyronine on collagen synthesis by cultured human skin fibroblasts (FEBS 1706) <i>C. de Rycker, J.-L. Vandalem, G. Hennen</i>	34
Complete nucleotide sequence of RNA 5 from cucumber mosaic virus (strain Y) (FEBS 1707) <i>S. Hidaka, K. Ishikawa, Y. Takanami, S. Kubo, K.-ichiro Miura</i>	38
Subcellular localisation of cerebral fucosyltransferase (FEBS 1708) <i>P. Broquet, M. Serres-Guillaumond, H. Baubichon-Cortay, M.-J. Peschard, P. Louisot</i>	43
An edeine-resistant mRNA-dependent protein synthesis system from a <i>Saccharomyces cerevisiae</i> mutant (FEBS 1709) <i>F. Herrera, N. Moreno, J.A. Martínez</i>	47
Calmodulin activates adenylate cyclase from rabbit heart plasma membranes (FEBS 1629) <i>M.P. Panchenko, V.A. Tkachuk</i>	50
Structures of fucose-containing pentasaccharides from the plasma of blood group O Le(a ⁻ b ⁻) nonsecretors (FEBS 1648) <i>G. Pfannschmidt, J. Peter-Katalinić, M. Kordowicz, H. Egge, Janusz Dabrowski, U. Dabrowski, P. Hanfland</i>	55
1 α ,25-Dihydroxyvitamin D ₃ directly induces fusion of alveolar macrophages by a mechanism involving RNA and protein synthesis, but not DNA synthesis (FEBS 1714) <i>H. Tanaka, T. Hayashi, Y. Shiina, C. Miyaura, E. Abe, T. Suda</i>	61
Photoaffinity labeling of the coupling factor 1 from the thermophilic bacterium PS3 by 8-azido ATP (FEBS 1712) <i>H.-J. Schäfer, P. Scheurich, G. Rathgeber, K. Dose, Y. Kagawa</i>	66
Effects of vanadate on intracellular Ca ²⁺ redistribution and hexose transport across plasma membrane in cultured mouse fibroblasts (FEBS 1715) <i>K. Yamanishi, T. Hasegawa, A. Iwashima</i>	71
L- α -Amino- β -thio- ϵ -caprolactam, a new sulfur-containing substrate for α -amino- ϵ -caprolactam racemase (FEBS 1711) <i>S.A. Ahmed, N. Esaki, H. Tanaka, K. Soda</i>	76
Isolation and characterization of human blood platelet gelsolin (FEBS 1713) <i>A. Olo-mucki, C. Huc, F. Lefebure, M. Coué</i>	80
Calcitonin mRNA activity in young obese (fa/fa) Zucker rats (FEBS 1717) <i>N. Segond, A. Jullienne, E.H. Tahri, J.-M. Garel</i>	86
Guanine nucleotides decrease the free [Ca ²⁺] required for secretion of serotonin from permeabilized blood platelets (FEBS 1718) <i>R.J. Haslam, M.M.L. Davidson</i>	90
The active site of aspartic proteinases (FEBS 1667) <i>L. Pearl, T. Blundell</i>	96
Computer graphics modelling of human renin (FEBS 1668) <i>B.L. Sibanda, T. Blundell, P.M. Hobart, M. Fogliano, J.S. Bindra, W. Dominy, J.M. Chirgwin</i>	102
Amino acid sequence round the site of phosphorylation in isocitrate dehydrogenase from <i>Escherichia coli</i> ML308 (FEBS 1671) <i>A.C. Borthwick, W.H. Holms, H.G. Nimmo</i>	112
Identification by cross-linking of a neuronal acceptor protein for dendrotoxin, a convulsant polypeptide (FEBS 1720) <i>F. Mehraban, A.L. Breeze, J.O. Dolly</i>	116

Species variations amongst lysosomal cysteine proteinases (FEBS 1722) <i>H. Kirschke, P. Ločnikar, V. Turk</i>	123
The molecular mechanism of interaction of Et_3Pb^+ with tubulin (FEBS 1723) <i>H. Faulstich, C. Stournaras, K.H. Doenges, H.-P. Zimmermann</i>	128
Cyclic AMP is involved in sexual reproduction of <i>Chlamydomonas eugametos</i> (FEBS 1724) <i>H.L.A. Pijst, R. van Driel, P.M.W. Janssens, A. Musgrave, H. van den Ende</i>	132
Association of ferredoxin-NADP ⁺ oxidoreductase with the chloroplast cytochrome <i>b-f</i> complex (FEBS 1725) <i>R.D. Clark, M.J. Hawkesford, S.J. Coughlan, J. Bennett, G. Hind</i>	137
Hydrocortisone inhibits prostaglandin production but not arachidonic acid release from cultured macrophages (FEBS 1726) <i>J.N. Wood, P.R. Coote, J. Rhodes</i>	143
Inhibition of free radical-induced DNA damage by uric acid (FEBS 1727) <i>A.M. Cohen, R.E. Aberdroth, P. Hochstein</i>	147
Mass spectral identification of the blocker N-terminal tryptic peptide of the ATPase inhibitor from beef heart mitochondria (FEBS 1728) <i>A.C. Dianoux, A. Tsugita, M. Przybylski</i>	151
pH dependence of the multiline, manganese EPR signal for the 'S ₂ ' state in PS II particles (FEBS 1731) <i>R. Damoder, G.C. Dismukes</i>	157
Affinity chromatography and affinity partition of human serum pre-albumin using immobilized Remazol Yellow GGL (FEBS 1732) <i>G. Birkenmeier, B. Tschekonien, G. Kopperschlager</i>	162
The organisation of methanol dehydrogenase and <i>c</i> -type cytochromes on the respiratory membrane of <i>Methylophilus methylotrophus</i> (FEBS 1734) <i>Jacqueline A. Quilter, C.W. Jones</i>	167
Identification of 16-dehydropregnenolone as an intermediate in 16-androstene biosynthesis in neonatal porcine testicular microsomes (FEBS 1735) <i>T.K. Kwan, N.F. Taylor, D. Watson, D.B. Gower</i>	173
Book Reviews and Booklist no. 53	179
Notes to Authors	197
Lateral diffusion of lipids and proteins in bilayer membranes (FEBS 1740) <i>W.L.C. Vaz, F. Goodsaid-Zalduondo, K. Jacobson</i>	199
Homologies between a brain-specific identifier (ID) sequence and regions of Harvey murine sarcoma virus and Rous sarcoma virus genomes. Putative role of identifier sequences in the tissue specificity of malignant transformation by RNA tumor viruses (FEBS 1759) <i>J. Minárovits, Z. Kovács, I. Földes</i>	208
Aldosterone secretion, measurements of membrane potential and intracellular potassium activity in the isolated adrenal zone glomerulosa (FEBS 1739) <i>M. Wiederholt, J. Hampel, L. Belkien, W. Oelkers</i>	211
Deoxyribonuclease activities of wheat seedlings (FEBS 1730) <i>M.C. Jones, S.A. Boffey</i>	215
Resonance Raman spectroscopy of single crystals of bacterial cytochrome <i>c</i> ₄ (FEBS 1745) <i>L. Sawyer, R.E. Hester</i>	219
Evidence that acid solutions induce plant cell elongation by acidifying the cytosol and stimulating the proton pump (FEBS 1738) <i>B. Brummer, H. Felle, R.W. Parish</i>	223
A simple modification converts the spinning cup protein sequencer into a vapour-phase sequencer (FEBS 1729) <i>W.F. Brandt, H. Alk, M. Chauhan, C. von Holt</i>	228
Some properties of membrane-bound, solubilized and reconstituted into liposomes H ⁺ -ATPase of vacuoles of <i>Saccharomyces carlsbergensis</i> (FEBS 1747) <i>L.P. Lichko, L.A. Okorokov</i>	233
Identification of messenger RNA for human type II collagen (FEBS 1751) <i>E. Vuorio, K. Elimä, J. Pulkkinen, A.-M. Viitanen</i>	238
Spatial arrangement of the three α helices in the solution conformation of <i>E. coli lac</i> repressor DNA-binding domain (FEBS 1746) <i>E.R.P. Zuiderweg, M. Billeter, R. Boelens, R.M. Scheek, K. Wüthrich, R. Kaptein</i>	243
Phosphorus-31 nuclear magnetic resonance studies of photosynthesizing <i>Chlorella</i> (FEBS 1741) <i>F. Mitsumori, O. Ito</i>	248
The synthesis of ribosomal RNA and ribosomal protein and their incorporation into ribosomes in the uterus of the oestrogen-stimulated immature rat (FEBS 1744)	

<i>R.E. Muller, J.T. Knowler</i>	253
Isolation and primary structure of human PHI (peptide HI) (FEBS 1749) <i>K. Tatemoto, H. Jörnvall, T.J. McDonald, M. Carlquist, V.L.W. Go, C. Johansson, V. Mutt</i>	258
Biosynthesis of oxytocin in the corpus luteum (FEBS 1752) <i>R.W. Swann, P.J. O'Shaughnessy, S.D. Birkett, D.C. Wathes, D.G. Porter, B.T. Pickering</i>	262
Meproadifen enhances activation and desensitization of the acetylcholine receptor-ionic channel complex (AChR): single channel studies (FEBS 1743) <i>Y. Aracava, E.X. Albuquerque</i>	267
α -Allenyl putrescine, an enzyme-activated irreversible inhibitor of bacterial and mammalian ornithine decarboxylases (FEBS 1758) <i>C. Danzin, P. Casara</i>	275
Binding of fibronectin to gelatin and heparin: effect of surface denaturation and detergents (FEBS 1679) <i>R. Haas, L.A. Culp</i>	279
A high-molecular-mass cell wall protein released from <i>Clostridium tyrobutyricum</i> by heat treatment (FEBS 1750) <i>H. Hayes, J. Commissaire, J.-L. Bergere</i>	284
Isolation and characterization of cholecystokinin-58 (CCK-58) from porcine brain (FEBS 1748) <i>K. Tatemoto, H. Jörnvall, S. Siimesmaa, G. Halldén, V. Mutt</i>	289
Epitopes of human intestinal alkaline phosphatases, defined by monoclonal antibodies (FEBS 1736) <i>K. Ray, J. Vockley, H. Harris</i>	294
Demonstration and partial purification of lactoperoxidase from human colostrum (FEBS 1753) <i>B. Langbakk, T. Flatmark</i>	300
Fusion between Sendai virus envelopes and biological membranes as monitored by energy transfer methods (FEBS 1737) <i>N. Chejanovsky, G.D. Eytan, A. Loyter</i>	304
Conformations and CD curves of cyclo(L- or D-Phe-L-Pro-Aca): cyclized models for specific types of β -bends (FEBS 1757) <i>S. Lee, H. Mizuno, H. Nakamura, Y. Koderä, T. Kato, N. Gō, N. Izumiya</i>	310
Author index	315
Table of Contents	319
Notes to Authors	322