

## AUTHOR INDEX TO VOLUME 77

Aalbers, A. M. J., see J. W. Davies	77 (1977) 265
Abaturov, L. V., see S. Böhm	77 (1977) 21
Abaturov, L. V., K. Sh. Jinoria, N. N. Yakobashvily and Ya. M. Varshavsky, Effect of ligand and heme on conformational stability (intramolecular conformational motility) of hemoglobin as revealed by hydrogen exchange	77 (1977) 103
Åkerlund, H.-E., see B. Andersson	77 (1977) 141
Albertsson, P.-Å., see B. Andersson	77 (1977) 141
Andersson, B., H.-E. Åkerlund and P.-Å. Albertsson, Light-induced reversible proton extrusion by spinach-chloroplast photosystem II vesicles isolated by phase partition	77 (1977) 141
Araya, A., see L. Meza	77 (1977) 255
Arena, F., see M. S. Ciampi	77 (1977) 75
Aswanikumar, S., see A. R. Day	77 (1977) 291
Avron, M. and U. Schreiber, Proton gradients as possible intermediary energy transducers during ATP-driven reverse electron-flow in chloroplasts	77 (1977) 1
Bartfeld, D. and S. Fuchs, Immunological characterization of an irreversibly denatured acetylcholine receptor	77 (1977) 214
Bechtel, P., see P. Davies	77 (1977) 228
Becker, E. L., see A. R. Day	77 (1977) 291
Benda, P., see Y. Zagyansky	77 (1977) 206
Betz, H., J.-P. Bourgeois and J.-P. Changeux, Evidence for degradation of the acetylcholine (nicotinic) receptor in skeletal muscle during the development of the chick embryo	77 (1977) 219
Bieniek, B., see S. Szala	77 (1977) 94
Biserte, G., see A. Delacourte	77 (1977) 41
Bisconte, J. C., see Y. Zagyansky	77 (1977) 206
Böhm, S. and L. V. Abaturov, Structural changes of met-haemoglobin by dehydration	77 (1977) 21
Bourgeois, J.-P., see H. Betz	77 (1977) 219
Brack, C., see H.-K. Hochkeppel	77 (1977) 277
Brandt, M., see A. Wahlström	77 (1977) 28
Bundi, A. and K. Wüthrich, <sup>1</sup> H NMR titration shifts of amide proton resonances in polypeptide chains	77 (1977) 11
Buri, J.-F., see A. Vincent	77 (1977) 281
Busch, H., see M. Fuke	77 (1977) 287
Butterworth, P. H. W., see B. E. H. Coupar	77 (1977) 273
Chambaz, E. M., see A. J. Hadjian	77 (1977) 233
Changeux, J.-P., see H. Betz	77 (1977) 219
Chesterton, C. J., see B. E. H. Coupar	77 (1977) 273
Chorąży, M., see S. Szala	77 (1977) 94
Ciampi, M. S., F. Arena, R. Cortese and V. Daniel, Biosynthesis of pseudouridine in the in vitro transcribed tRNA <sup>Tyr</sup> precursor	77 (1977) 75

Civelli, O., see A. Vincent	77 (1977) 281
Collard, J. G., A. de Wildt, E. P. M. Oomen-Meulemans, J. Smeekens, P. Emmelot and M. Inbar, Increase in fluidity of membrane lipids in lymphocytes, fibroblasts and liver cells stimulated for growth	77 (1977) 173
Cooper, R. A., see J. Deacon	77 (1977) 201
Corcoran, B., see A. R. Day	77 (1977) 291
Cortese, R., see M. S. Ciampi	77 (1977) 75
Coupar, B. E. H., C. J. Chesterton and P. H. W. Butterworth, The subunit structure of the form AII DNA-dependent RNA polymerase from rat liver	77 (1977) 273
Craig, I. W., see A. J. Jeffreys	77 (1977) 151
Daniel, V., see M. S. Ciampi	77 (1977) 75
Davies, J. W., A. M. J. Aalbers, E. J. Stuik and A. van Kammen, Translation of cowpea mosaic virus RNA in a cell-free extract from wheat germ	77 (1977) 265
Davies, P., P. Bechtel and I. Pastan, Filamin inhibits actin activation of heavy meromyosin ATPase	77 (1977) 228
Dawson, R. M. C. and A. Letcher, Lack of competition between phosphatidylcholine and phosphatidylethanolamine synthesis in the membranes of <i>Entodinium caudatum</i>	77 (1977) 179
Day, A. R., H. J. Showell, E. L. Becker, E. Schiffmann, B. Corcoran, S. Aswanikumar, C. Pert, J. A. Radding and R. J. Freer, Synthesis and binding characteristics of an intrinsically radiolabelled chemotactic acyl tripeptide: $N^{\alpha}$ -formyl-norleucyl-leucyl-phenylalanine	77 (1977) 291
Deacon, J. and R. A. Cooper, D-Galactonate utilisation by enteric bacteria: the catabolic pathway in <i>Escherichia coli</i>	77 (1977) 201
Delacourte, A., M.-T. Plancot, K.-K. Han, H. Hildebrand and G. Biserte, Investigation of tubulin fibers formed during microtubule polymerization cycles	77 (1977) 41
Deutscher, M. P., see P. Masiakowski	77 (1977) 261
De Wildt, A., see J. G. Collard	77 (1977) 173
Dijk, J., J. Littlechild and R. A. Garrett, The RNA binding properties of 'native' protein-protein complexes isolated from the <i>Escherichia coli</i> ribosome	77 (1977) 295
Dorland, L., J. Haverkamp, B. L. Schut, J. F. G. Vliegenthart, G. Spik, G. Strecker, B. Fournet and J. Montreuil, The structure of the asialo-carbohydrate units of human serotransferrin as proven by 360 MHz proton magnetic resonance spectroscopy	77 (1977) 15
Dzionara, M., see B. Wittmann-Liebold	77 (1977) 301
Emmelot, P., see J. G. Collard	77 (1977) 173
Emöd, I. and B. Keil, Five Sepharose-bound ligands for the chromatographic purification of <i>Clostridium</i> collagenase and clostripain	77 (1977) 51
Erkell, L. J., Differences in membrane structure between suspended and attached mouse neuroblastoma cells	77 (1977) 187
Fetisova, I. V., see K. G. Gasaryan	77 (1977) 251
Forget, P. and R. Rimassa, Evidence for the presence of carbohydrate units in the nitrate reductase A of <i>Escherichia coli</i> K12	77 (1977) 182
Fournet, B., see L. Dorland	77 (1977) 15
Freer, R. J., see A. R. Day	77 (1977) 291
Frenzel, J., see E. Weber	77 (1977) 87
Fuchs, S., see D. Bartfeld	77 (1977) 214

Fuke, M. and H. Busch, Partial methylation of 18 S ribosomal RNA detected by T1 ribonuclease digestion and homochromatography fingerprinting	77 (1977) 287
Fukumori, Y., see T. Yamanaka	77 (1977) 155
Gacon, G., see R. Krishnamoorthy	77 (1977) 99
Garel, J. P., see L. Meza	77 (1977) 255
Garrett, R. A., see J. Dijk	77 (1977) 295
Gasaryan, K. G., E. D. Kuznetsova, I. V. Fetisova and V. Z. Tarantul, Metabolically stable messenger-like 28 S RNA fraction in the nuclei of pigeon-bone marrow cells	77 (1977) 251
Glass, G. B. J., see B. L. Slomiany	77 (1977) 47
Glässer, D., see E. Weber	77 (1977) 87
Gordon, J., see H.-K. Hochkeppel	77 (1977) 277
Gore, M. G., see C. R. Lowe	77 (1977) 247
Greksák, M., see Nejedlý	77 (1977) 33
Grež, M. and J. Niessing, Affinity chromatography of poly(A) polymerase on ATP-Sepharose	77 (1977) 57
Guidicelli, C., see A. J. Hadjian	77 (1977) 233
Hadjian, A. J., C. Guidicelli and E. M. Chambaz, Characterization of tubulin in the bovine adrenal cortex cytosol	77 (1977) 233
Hall, D. O., see T. Hase	77 (1977) 308
Hamprecht, B., see A. Wahlström	77 (1977) 28
Han, K.-K., see A. Delacourte	77 (1977) 41
Hanoune, J., see M.-L. Lacombe	77 (1977) 159
Harlos, K., W. L. C. Vaz and S. Kovatchev, Effect of desoxylysolecithins on dimyristoyllecithin vesicles. Influence of the lipid phase transition	77 (1977) 7
Hase, T., S. Wakabayashi, H. Matsubara, L. Kerscher, D. Oesterhelt, K. K. Rao and D. O. Hall, <i>Halobacterium halobium</i> ferredoxin: a homologous protein to chloroplast-type ferredoxins	77 (1977) 308
Haverkamp, J., see L. Dorland	77 (1977) 15
Herzberg, M., see D. Wreschner	77 (1977) 83
Hildebrand, H., see A. Delacourte	77 (1977) 41
Hochkeppel, H.-K., J. Gordon and C. Brack, RNA of the small subunit of the <i>Escherichia coli</i> ribosome with additional protein binding sites: characterization of the structure by electron microscopy	77 (1977) 277
Holm, M., Biodegradation of the major rabbit retinal gangliosides, studied in vivo	77 (1977) 225
Inbar, M., see J. G. Collard	77 (1977) 173
Izui, K., see M. Taguchi	77 (1977) 270
Izumori, K. and K. Yamanaka, Speculative studies on an anomeric specificity of inducers of D-lyxose isomerase	77 (1977) 133
Janczura, E., see G. Palamarczyk	77 (1977) 169
Jeffreys, A. J. and I. W. Craig, Differences in the mitochondrially synthesized subunits of human and mouse cytochrome <i>c</i> oxidase	77 (1977) 151
Jinoria, K. Sh., see L. V. Abaturov	77 (1977) 103
Johnson, D. H., W. D. McCubbin and C. M. Kay, Isolation and characterization of a myosin-like protein from bovine adrenal medulla	77 (1977) 69
Johnstone, A. P. and T. J. Kindt, Amino-terminal sequences of blocked $\kappa$ -chains from homogeneous rabbit antibodies	77 (1977) 65

Katayama, K., see T. Ooyama	77 (1977) 61
Katsuki, H., see M. Taguchi	77 (1977) 270
Kawamura, K., see T. Ooyama	77 (1977) 61
Kay, C. M., see D. H. Johnson	77 (1977) 69
Keil, B., see I. Emöd	77 (1977) 51
Kersch, L., see T. Hase	77 (1977) 308
Kindt, T. J., see A. P. Johnstone	77 (1977) 65
Kovatchev, S., see K. Harlos	77 (1977) 7
Krauskopf, M., see L. Meza	77 (1977) 255
Krishnamoorthy, R., G. Gacon and D. Labie, Isolation and partial characterization of hemoglobin A <sub>1b</sub>	77 (1977) 99
Kuznetsova, E. D., see K. G. Gasaryan	77 (1977) 251
Labie, D., see R. Krishnamoorthy	77 (1977) 99
La Bonnardière, C., Association of mouse interferon with liposomes	77 (1977) 191
Lacombe, M.-L., D. Stengel and J. Hanoune, Proteolytic activation of adenylate cyclase from rat-liver plasma membranes	77 (1977) 159
Lamy, J., J. Lamy and J. Weill, The influence of cations on the dissociation of hemocyanin of the scorpion <i>Androctonus australis garzonii</i> provoked by 1 M urea	77 (1977) 197
Lamy, J., see J. Lamy	77 (1977) 197
Lanne, B., B. G. Malmström and Vänngård, Effects of hexacyanoferrate on cytochrome c oxidase	77 (1977) 146
Leech, R. M., see D. J. Murphy	77 (1977) 164
Leon, G., see L. Meza	77 (1977) 255
Letcher, A., see R. M. C. Dawson	77 (1977) 179
Lindeberg, G., see A. Wahlström	77 (1977) 28
Littlechild, J., see J. Dijk	77 (1977) 295
Lowe, C. R. and M. G. Gore, The interaction of some dehydrogenases with N <sup>6</sup> -(6-amino-hexyl)-adenosine 5'-monophosphate Sepharose	77 (1977) 247
Macnaughton, M. R. and M. H. Madge, The characterisation of the virion RNA of avian infectious bronchitis virus	77 (1977) 311
Madge, M. H., see M. R. Macnaughton	77 (1977) 311
Malmström, B. G., see B. Lanne	77 (1977) 146
Marquardt, I., see E. Weber	77 (1977) 87
Masiakowski, P. and M. P. Deutscher, The dinucleoside monophosphate, CpC, is a model acceptor substrate for rabbit-liver tRNA nucleotidyltransferase	77 (1977) 261
Matsubara, H., see T. Hase	77 (1977) 308
Mattiasson, B., A general enzyme thermistor based on specific reversible immobilization using the antigen-antibody interaction	77 (1977) 107
McCubbin, W. D., see D. H. Johnson	77 (1977) 69
Melloul, D., see D. Wreschner	77 (1977) 83
Meunier, J.-C. and C. Moisand, Binding of Leu <sup>5</sup> -enkephalin and Met <sup>5</sup> -enkephalin to a particulate fraction from rat cerebrum	77 (1977) 209
Meza, L., A. Araya, G. Leon, M. Krauskopf, M. A. Q. Siddiqui and J. P. Garel, Specific alanine-tRNA species associated with fibroin biosynthesis in the posterior silk-gland of <i>Bombyx mori</i> L.	77 (1977) 255
Michalska, J., see S. Szala	77 (1977) 94

Mitchell, P., see J. Moyle	77 (1977) 136
Moisand, C., see J.-C. Meunier	77 (1977) 209
Moyle, J. and P. Mitchell, The lanthanide-sensitive calcium phosphate porter of rat liver mitochondria	77 (1977) 136
Montreuil, J., see L. Dorland	77 (1977) 15
Moroder, L., see A. Wahlström	77 (1977) 28
Muhlrad, A. and A. Oplatka, Phosphorylation of fibroblast myosin	77 (1977) 37
Murphy, D. J. and R. M. Leech, Lipid biosynthesis from [ $^{14}$ C]bicarbonate, [ $2\text{-}^{14}$ C]pyruvate and [ $1\text{-}^{14}$ C]acetate during photosynthesis by isolated spinach chloroplasts	77 (1977) 164
Nejedlý, K. and M. Greksák, Sequential increase in activity of mitochondrial enzymes during respiratory adaptation of anaerobically-grown synchronous yeast	77 (1977) 33
Niessing, J., see M. Grez	77 (1977) 57
Oesterhelt, D., see T. Hase	77 (1977) 308
Oomen-Meulemans, E. P. M., see J. G. Collard	77 (1977) 173
Ooyama, T., K. Kawamura and K. Katayama, Radioimmunoassay of pig pancreatic elastase	77 (1977) 61
Oplatka, A., see A. Muhlrad	77 (1977) 37
Palamarczyk, G. and E. Janczura, Lipid mediated glycosylation in yeast nuclear membranes	77 (1977) 169
Pastan, I., see P. Davies	77 (1977) 228
Paterak, H., see S. Szala	77 (1977) 94
Pert, C., see A. R. Day	77 (1977) 291
Plancot, M.-T., see A. Delacourte	77 (1977) 41
Radding, J. A., see A. R. Day	77 (1977) 291
Ragnarsson, U., see A. Wahlström	77 (1977) 28
Rao, K. K., see T. Hase	77 (1977) 308
Reinbolt, J., see D. Tritsch	77 (1977) 89
Rimassa, R., see P. Forget	77 (1977) 182
Robinson, S. M. L., see B. Wittmann-Liebold	77 (1977) 301
Scherrer, K., see A. Vincent	77 (1977) 281
Schiffmann, E., see A. R. Day	77 (1977) 291
Schreiber, U., see M. Avron	77 (1977) 1
Schut, G. L., see L. Dorland	77 (1977) 15
Shikita, M., see K. Tsuneoka	77 (1977) 243
Showell, H. J., see A. R. Day	77 (1977) 291
Siddiqui, M. A. Q., see L. Meza	77 (1977) 255
Slomiany, B. L., A. Slomiany and G. B. J. Glass, Partial characterization of a novel sulfated glyceroglucolipid of the human gastric content	77 (1977) 47
Slomiany, S., see B. L. Slomiany	77 (1977) 47
Smeekens, J., see J. G. Collard	77 (1977) 173
Smith, D. S., Enhancement fluoroimmunoassay of thyroxine	77 (1977) 25
Spik, G., see L. Dorland	77 (1977) 15
Strecker, G., see L. Dorland	77 (1977) 15
Stengel, D., see M.-L. Lacombe	77 (1977) 159
Stuik, E. J., see J. W. Davies	77 (1977) 265

Szala, S., J. Michalska, H. Paterak, B., Bieniek and M. Chorąży, Inverted sequences in rat DNA	77 (1977) 94
Taguchi, M., K. Izui and H. Katsuki, Activation of <i>Escherichia coli</i> phosphoenolpyruvate carboxylase by guanosine-5'-diphosphate-3'-diphosphate	77 (1977) 270
Tarantul, V. Z., see K. G. Gasaryan	77 (1977) 251
Terenius, L., see A. Wahlström	77 (1977) 28
Trayer, H. R., see M. A. Winstanley	77 (1977) 239
Trayer, I. P., see M. A. Winstanley	77 (1977) 239
Tritsch, J. Reinbolt, B. Wittmann-Liebold, The primary structure of ribosomal protein S7 from <i>Escherichia coli</i> strains K and B. Sequence of the C-terminal region of S7K and S7B	77 (1977) 89
Tsuneoka, K. and M. Shikita, A sialoglycoprotein-stimulating proliferation of granulocyte-macrophage progenitors in mouse-bone marrow cell cultures	77 (1977) 243
Van Kammen, A., see J. W. Davies	77 (1977) 265
Vänngård, T., see B. Lanne	77 (1977) 146
Varshavsky, Ya. M., see L. V. Abaturov	77 (1977) 103
Vaz, W. L. C., see K. Harlos	77 (1977) 7
Vincent, A., O. Civelli, J.-F. Buri and K. Scherrer, Correlation of specific coding sequences with specific proteins associated in untranslated cytoplasmic messenger ribonucleo-protein complexes of duck erythroblasts	77 (1977) 281
Vliegthart, J. F. G., see L. Dorland	77 (1977) 15
Wahlström, A., M. Brandt, L. Moroder, E. Wünsch, G. Lindeberg, U. Ragnarsson, L. Terenius and B. Hamprecht, Peptides related to $\beta$ -lipotropin with opioid activity: effects on levels of adenosine 3':5'-cyclic monophosphate in neuroblastoma X glioma hybrid cells	77 (1977) 28
Wakabayashi, S., see T. Hase	77 (1977) 308
Weber, E., J. Frenzel, I. Marquardt and D. Glässer, Amino acid composition of the crystallized RNA-containing protein from pig-eye lenses	77 (1977) 87
Weill, J., see J. Lamy	77 (1977) 197
Winstanley, M. A., H. R. Trayer and I. P. Trayer, Role of the myosin light chains in binding to actin	77 (1977) 239
Wittmann-Liebold, B., see D. Tritsch	77 (1977) 89
Wittmann-Liebold, B., S. M. L. Robinson and M. Dzionara, Prediction of secondary structures in proteins from the <i>Escherichia coli</i> 30 S ribosomal subunit	77 (1977) 301
Wreschner, D., D. Melloul and M. Herzberg, Specific degradation of ribosomal RNA in rabbit reticulocyte membrane-bound ribosomes	77 (1977) 83
Wünsch, E., see A. Wahlström	77 (1977) 28
Wüthrich, K., see A. Bendi	77 (1977) 11
Yakobashvily, N. N., see L. V. Abaturov	77 (1977) 103
Yamanaka, K., see K. Izumori	77 (1977) 133
Yamanaka, T. and Y. Fukumori, <i>Thiobacillus novellus</i> cytochrome oxidase can separate some eucaryotic cytochromes c	77 (1977) 155
Zagyansky, Y., P. Benda and J. C. Bisconte, Restricted lateral diffusion of concanavalin A receptors of different malignant cells of the nervous system	77 (1977) 206