

TITLES OF RELATED PAPERS IN OTHER SECTIONS

The following papers which have recently appeared in other sections of BIOCHIMICA ET BIOPHYSICA ACTA may be of interest to the readers of this specialized section:

BBA-GENERAL SUBJECTS

- Effect of hormonal and neuronal agents on adenylate cyclase from smooth muscle of the gastric antrum (BBA 28897)
by S. Baur, B. Grant and R.K. Spaulding (Palo Alto, CA, U.S.A.) 584 (1979) 365—374
- Mutations altering the catalytic activity of a plant-type ribulose biphosphate carboxylase/oxygenase in *Alcaligenes eutrophus* (BBA 28885)
by K. Andersen (Davis, CA, U.S.A.) 585 (1979) 1— 11
- Synthesis of the calcium transport ATPase of sarcoplasmic reticulum and other muscle proteins during development of muscle cells in vivo and in vitro (BBA 28898)
by D.B. Ha, R. Boland and A. Martonosi (St. Louis, MO, U.S.A.) 585 (1979) 165—187
- Distribution and properties of protein kinase and protein phosphatase activities in synaptosomal plasma membranes and synaptic junctions (BBA 28933)
by H.-M. Thérien and W.E. Mushynski (Montreal, Canada) 585 (1979) 188—200
- Characterization of the cyclic 3',5'-nucleotide phosphodiesterase activity associated with synaptosomal plasma membranes and synaptic junctions (BBA 28932)
by H.-M. Thérien and W.E. Mushynski (Montreal, Canada) 585 (1979) 201—209
- Epoxide hydrase in *Trypanosoma cruzi* epimastigotes (BBA 28935)
by A. Yawetz and M. Agosin (Athens, GA, U.S.A.) 585 (1979) 210—219
- Degradation of peroxisomal catalase and urate oxidase of rat liver (BBA 29848)
by H. Hayashi (Saitama, Japan) 585 (1979) 220—228
- Transpancreatic transport of digestive enzyme (BBA 28900)
by L.D. Isenman and S.S. Rothman (San Francisco, CA, U.S.A.) 585 (1979) 321—332
- Synthesis of adenosine 3',5'-monophosphate by guanylate cyclase, a new pathway for its formation (BBA 28925)
by C.K. Mittal, J.M. Braughler, K. Ichihara and F. Murad (Charlottesville, VA, U.S.A.) 585 (1979) 333—342
- Phosphoprotein phosphatase activity at the outer surface of intact normal and transformed 3T3 fibroblasts (BBA 28921)
by N.R. Makan (Ithaca, NY, U.S.A.) 585 (1979) 360—373

BBA-PROTEIN STRUCTURE

- Purification and preliminary characterization of two asclepains from the latex of *Asclepias syriaca* L. (milkweed) (BBA 38170)
by W.J. Brockband and K.R. Lynn (Ottawa, Canada) 578 (1979) 13— 22
- Laser Raman spectroscopy of acid phosphatase from rat liver after neuraminidase treatment (BBA 38178)

- by J. Twardowski (Cracow, Poland) 578 (1979) 116—124
- Structural comparison of γ -carboxymuconolactone decarboxylase and muconolactone isomerase from *Pseudomonas putida* (BBA 38158)
- by D. Parke (New Haven, CT, U.S.A.) 578 (1979) 145—154
- Enzymatic activities and ATP-induced fluorescence enhancement of myosin from fast and slow skeletal and cardiac muscles (BBA 38184)
- by P. Graceffa and J.C. Seidel (Boston, MA, U.S.A.) 578 (1979) 223—231
- Multiple forms of an extracellular cyclic-AMP phosphodiesterase from *Dictyostelium discoideum* (BBA 38179)
- by E.L. Dicou and P. Brachet (Paris, France) 578 (1979) 232—242
- Histidyl and tyrosyl residue ionization studies of subtilisin Novo (BBA 38193)
- by S. Omar, M.F. Brown, P. Silver and T. Schleich (Santa Cruz, CA, U.S.A.) 578 (1979) 261—268
- Isolation and characterization of porcine β -casein (BBA 38168)
- by D.M. Mulvihill and P.F. Fox (Cork, Republic of Ireland) 578 (1979) 317—324
- Purification and characterisation of α -L-fucosidase from human placenta: pH-dependent changes in molecular size (BBA 38201)
- by B.M. Turner (New York, NY, U.S.A.) 578 (1979) 325—336
- The iron-sulphur centres of soluble hydrogenase from *Alcaligenes eutrophus* BBA 38187)
- by K. Schneider, R. Cammack, H.G. Schlegel and D.O. Hall (Göttingen, F.R.G., and London, U.K.) 578 (1979) 445—461
- Oxidation-reduction reactions of copper-thiolate centres in Cu-thio-
nein (BBA 38200)
- by H. Rupp, R. Cammack, H.-J. Hartmann and U. Weser (London, U.K. and Tübingen, F.R.G.) 578 (1979) 462—475
- Formes moléculaires multiples de la butyrylcholinestérases du plasma humain. I. Paramètres moléculaires apparents et ébauche de la structure quaternaire (Multiple molecular forms of human plasma butyrylcholinesterase. I. Apparent molecular parameters and broad pattern of the quaternary structure) (BBA 38207)
- by P. Masson (Lyon, France) 578 (1979) 493—504
- A kinetic study of the folding of nuclease B, a possible precursor of staphylococcal nuclease A (BBA 38209)
- by A. Davis, G.R. Parr and H. Taniuchi (Bethesda, MD, U.S.A.) . . 578 (1979) 505—510

BBA-BIOENERGETICS

- The multiplicity and stoichiometry of the prosthetic groups in QH₂:
cytochrome *c* oxidoreductase as studied by EPR (BBA 47646)
- by S. de Vries, S.P.J. Albracht and F.J. Leeuwerik (Amsterdam, The Netherlands) 546 (1979) 316—333

BBA-LIPIDS AND LIPID METABOLISM

- Purified phospholipase A₂ from sheep erythrocyte membrane. Preferential hydrolysis according to polar groups and 2-acyl chains (BBA 57369)
- by J. Jimeno-Abendaño and P. Zahler (Berne, Switzerland) 573 (1979) 266—275
- Selective measurement of triacylglycerol lipase activities in pig post-heparin plasma (BBA 57385)
- by T. Kuusi, T. Schröder, B. Bang, M. Lempinen and C. Ehnholm (Helsinki, Finland) 573 (1979) 443—450

- Activation of lipoprotein lipase by native and acylated peptides of apolipoprotein C-II (BBA 57383)
by T.A. Musliner, P.N. Herbert and E.C. Church (Providence, RI and Bethesda, MD, U.S.A.) 573 (1979) 501—509
- Lipoprotein lipase of cultured mesenchymal rat heart cells. IV. Modulation of enzyme activity by VLDL added to the culture medium (BBA 57378)
by G. Friedman, O. Stein and Y. Stein (Jerusalem, Israel) 473 (1979) 521—534
- The glutathione conjugate of prostaglandin A₁ is a better substrate than prostaglandin E for partially purified avian prostaglandin E 9-ketoreductase (BBA 51245)
by L.M. Cagen and J.J. Pisano (Bethesda, MD, U.S.A.) 573 (1979) 547—551

BBA-BIOMEMBRANES

- Effects of drug on pigeon erythrocyte membrane and asymmetric control of adenylate cyclase by the lipid bilayer (BBA 78405)
by R. Salesse and J. Garnier (Orsay, France) 554 (1979) 102—113
- Sugar hydrolases of the infant rat intestine and their arrangement on the brush border membrane (BBA 78403)
by K.K. Tsuboi, S.M. Schwartz, P.H. Burrill, L.K. Kwong and P. Sunshine (Stanford, CA, U.S.A.) 554 (1979) 234—248
- Interaction of rabbit muscle aldolase with phospholipid liposomes (BBA 78419)
by J. Gutowicz and T. Modrzycka (Wroclaw, Poland) 554 (1979) 358—363
- Membrane lipid fluidity and its effect on the activation energy of membrane-associated enzymes (BBA 78417)
by E.J. McMurchie and J.K. Raison (North Ryde, Australia) 554 (1979) 364—374
- The relationship between membrane ATPase activity in sugarcane and heat-induced resistance to helminthosporoside (BBA 78406)
by G.A. Strobel (Bozeman, MT, U.S.A.) 554 (1979) 460—466

BBA-NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- Characterization of a proteolipid complex of aminoacyl-tRNA synthetases and transfer RNA from rat liver (BBA 99432)
by H.J.K. Saxholm and H.C. Pitot (Madison, WI, U.S.A. and Oslo, Norway) 562 (1979) 386—399
- The association of histidyl-tRNA synthetase with reticulocyte ribosomes (BBA 99420)
by D.W.E. Smith, P.E. Silbert and A.L. McNamara (Chicago, IL, U.S.A.) 562 (1979) 453—461
- Liver ribonuclease from the bullfrog, *Rana catesbeiana*. Purification, properties and changes in activity during metamorphosis (BBA 99431)
by Y. Tomita, Y. Goto, T. Okazaki and R. Shukuya (Tokyo, Japan) 562 (1979) 504—514
- Purification and characterization of DNA-relaxing enzyme from *Haemophilus gallinarum* (BBA 91482)
by K. Shishido and T. Ando (Saitama, Japan) 563 (1979) 261—265