

Cellular Aspects

Contents of Volume 212, No. 2, 1983

Protein Biosynthesis/Molecular Genetics

- No correlation between binding of glucocorticosteroids to specific cytoplasmic proteins *in vivo* and enzyme induction in the rat liver
H. GROTE, J. VOIGT & C. E. SEKERIS 305-312
- Sequence specificity of the post-translational proteolytic cleavage of vicilin, a seed storage protein of pea (*Pisum sativum* L.)
J. A. GATEHOUSE, G. W. LYCETT, A. J. DELAUNEY, R. R. D. CROY & D. BOULTER 427-432

Protein Turnover

- A comparison of lysosomal involvements in the degradation of normal and abnormal endogenous proteins of differing half-lives in MRC5 cells
S. A. WHARTON & P. A. RILEY 345-355

Metabolism, Regulation and Control Processes

- UDP-glucuronosyltransferase activity and bilirubin conjugation in the bullfrog
K. D. COLE & G. H. LITTLE 265-269
- Decreased flux through pyruvate dehydrogenase during calcium ion movements induced by vasopressin, α -adrenergic agonists and the ionophore A23187 in perfused rat liver
H. SIES, P. GRAF & D. CRANE 271-278
- The effect of $[Ca^{2+}]$ and $[H^+]$ on the functional recovery of rat brain synaptosomes from anoxic insult *in vitro*
S. A. K. HARVEY, R. F. G. BOOTH & J. B. CLARK 289-295
- Hormonally produced changes in caeruloplasmin synthesis and secretion in primary cultured rat hepatocytes. Relationship to hepatic copper metabolism
A. L. WEINER & R. J. COUSINS 297-304
- Iron loading of cultured hepatocytes. Effect of iron on 5-aminolaevulinic synthase is independent of lipid peroxidation
S. I. SHEDLOFSKY, H. L. BONKOWSKY, P. R. SINCLAIR, J. F. SINCLAIR, W. J. BEMENT & J. S. POMEROY 321-330
- Lipogenesis in liver, lung and adipose tissue of rats fed with oleoylanilide
C. CASALS, P. GARCIA-BARRENO & A. M. MUNICIO 339-344
- ^{31}P -n.m.r. studies on cerebral energy metabolism under conditions of hypoglycaemia and hypoxia *in vitro*
D. W. G. COX, P. G. MORRIS, J. FEENEY & H. S. BACHELARD 365-370
- Effects of ketone bodies on insulin release and islet-cell metabolism in the rat
T. J. BIDEN & K. W. TAYLOR 371-377
- Hormonal activation of type-L hormone-sensitive lipase measured in defatted heart powders
W. K. PALMER & T. A. KANE 379-383
- Insulin action on the glucose transport system in isolated cardiocytes from adult rat
J. ECKEL, G. PANDALIS & H. REINAUER 385-392
- Developmental changes in fatty acid synthesis in interscapular brown adipose tissue of lean and genetically obese (*ob/ob*) mice
S. W. MERCER & P. TRAYHURN 393-398
- The inhibitory effect of phosphorylase *a* on the activation of glycogen synthase depends on the type of synthase phosphatase
L. MVUMBI, F. DOPERÉ & W. STALMANS 407-416
- Hormonal stimulation of mitochondrial pyruvate carboxylation in filipin-treated hepatocytes
E. H. ALLAN, A. B. CHISHOLM & M. A. TITHERADGE 417-426
- Platelet-activating factor stimulates phosphatidylinositol turnover in human platelets
D. E. MACINTYRE & W. K. POLLOCK 433-437

Abnormal glucose metabolism accompanies failure of glucose to stimulate insulin release from a rat pancreatic cell line (RINm5F)	P. A. HALBAN, G. A. PRAZ & C. B. WOLLHEIM	439-443
Sensitivity to insulin of glycolysis and glycogen synthesis of isolated soleus-muscle strips from sedentary, exercised and exercise-trained rats	J. ESPINAL, G. L. DOHM & E. A. NEWSHOLME	453-458
Changes in the levels of inositol phosphates after agonist-dependent hydrolysis of membrane phosphoinositides	M. J. BERRIDGE, R. M. C. DAWSON, C. P. DOWNES, J. P. HESLOP & R. F. IRVINE	473-482
Effects of secretagogues on [³² P]phosphatidylinositol 4,5-bisphosphate metabolism in the exocrine pancreas	J. W. PUTNEY, JR., G. M. BURGESS, S. P. HALENDA, J. S. MCKINNEY & R. P. RUBIN	483-488
Phosphatidic acid and phosphatidylinositol labelling in adipose tissue. Relationship to the metabolic effects of insulin and insulin-like agents	T. W. HONEYMAN, W. STROHSNITTER, C. R. SCHEID & R. J. SCHIMMEL	489-498
Phosphatidic acid and phosphatidylinositol labelling in adipose tissue. The role of endogenously formed adenosine	R. J. SCHIMMEL, T. W. HONEYMAN & K. K. MCMAHON	499-506
Effect of pH on malonyl-CoA inhibition of carnitine palmitoyltransferase I	T. W. STEPHENS, G. A. COOK & R. A. HARRIS	521-524
Cell Surfaces and Receptors		
Clearance and binding of native and defucosylated lactoferrin	M. J. IMBER & S. V. PIZZO	249-257
Measurement of specific radioactivities in labelled hormones by self-displacement analysis	J. C. CALVO, J. P. RADICELLA & E. H. CHARREAU	259-264
Adenylate cyclase is inhibited upon depletion of plasma-membrane cholesterol	A. D. WHETTON, L. M. GORDON & M. D. HOUSLAY	331-338
Glycoproteins and glycosaminoglycans synthesized by human keratinocytes in culture. Their role in cell-substratum adhesion	G. P. ROBERTS & L. JENNER	355-363
NAD ⁺ glycohydrolase, an ecto-enzyme of calf spleen cells	H. M. MULLER, C. D. MULLER & F. SCHUBER	459-464
Inhibition of the binding of ¹²⁵ I-labelled epidermal growth factor to mouse cells by a mitogen in goat mammary secretions	K. D. BROWN & D. M. BLAKELEY	465-472
Histamine H ₂ receptors on foetal-bovine articular chondrocytes	D. J. TAYLOR, J. R. YOFFE & D. E. WOOLLEY	517-520
Developmental Biochemistry		
Secretion and glycosylation of α-foetoprotein by the mouse yolk sac	R. G. JANZEN & T. TAMAOKI	313-320
The differential actions of cortisol on the synthesis and turnover of α-lactalbumin and casein and on accumulation of their mRNA in mouse mammary gland in organ culture	Y. NAGAMATSU & T. OKA	507-515
Membranes, Transport, Bioenergetics and Photosynthesis		
Characterization of phosphate efflux pathways in rat liver mitochondria	R. S. KAPLAN & P. L. PEDERSEN	279-288
This effect of dantrolene on skeletal-muscle sarcoplasmic-reticulum function in malignant hyperpyrexia in pigs	M. D. WHITE, J. G. COLLINS & M. A. DENBOROUGH	399-405
Alterations in the activities of hepatic plasma-membrane and microsomal enzymes during liver regeneration	G. DELICONSTANTINOS & G. RAMANTANIS	445-452
B.J. Letters		
Malonyl-CoA inhibition of carnitine palmitoyltransferase: interpretation of I ₅₀ and K _i values	G. A. COOK, D. A. OTTO & N. W. CORNELL	525-527