

CONTENTS Rearranged According to Subject Categories, Vol. 144, No. 2

JB MINIREVIEWS—New Paradigm in Glycobiology

Simple Primary Structure, Complex Turnover Regulation and Multiple Roles of Hyaluronan	N. Itano	131
Concept, Strategy and Realization of Lectin-based Glycan Profiling	J. Hirabayashi	139

BIOCHEMISTRY

Biochemistry General

Evidence for Mitochondrial Localization of P5, a Member of the Protein Disulphide Isomerase Family	T. Kimura, T. Horibe, C. Sakamoto, Y. Shitara, F. Fujiwara, T. Komiya, A. Yamamoto, T. Hayano, N. Takahashi and M. Kikuchi	187
Characterization and Secondary Structure Analysis of Endostatin Covalently Modified by Polyethylene Glycol and Low Molecular Weight Heparin	H. Tan, S. Yang, Y. Feng, C. Liu, J. Cao, G. Mu and F. Wang	207

Protein Structure

¹⁵ N NMR Relaxation Studies of Y14F Mutant of Ketosteroid Isomerase: The Influence of Mutation on Backbone Mobility	H.J. Lee, Y.J. Yoon, D.S. Jang, C. Kim, H.J. Cha, B.H. Hong, K.Y. Choi and H.C. Lee	159
NMR Studies on the Equilibrium Unfolding of Ketosteroid Isomerase by Urea	H.J. Lee, D.S. Jang, H.J. Cha, H.S. Moon, B.H. Hong, K.Y. Choi and H.C. Lee	215

Enzymology

Protein Methyltransferase Activities in Commercial <i>In vitro</i> Translation Systems	R.B. Denman	223
Purification and Kinetic Characterization of 6-Phosphofructo-1-kinase from the Liver of Gilthead Sea Bream (<i>Sparus Aurata</i>)	D. Mediavilla, I. Metón and I.V. Baanante	235
Molecular Characterization, Heterologous Expression and Kinetic Analysis of Recombinant <i>Plasmodium falciparum</i> Thymidylate Kinase	M. Kandeel and Y. Kitade	245

Biochemistry in Cell Membranes

Modulation of Glucose Uptake in a Human Choriocarcinoma Cell Line (BeWo) by Dietary Bioactive Compounds and Drugs of Abuse	J.R. Araújo, P. Gonçalves and F. Martel	177
--	---	-----

MOLECULAR BIOLOGY

DNA-Protein Interaction

An O ⁶ -methylguanine-DNA Methyltransferase-like Protein from <i>Thermus thermophilus</i> Interacts with a Nucleotide Excision Repair Protein	R. Morita, N. Nakagawa, S. Kuramitsu and R. Masui	267
--	---	-----

CELL

Receptors and Signal Transduction

Protein Tyrosine Phosphatase Receptor Type Z Dephosphorylates TrkA Receptors and Attenuates NGF-dependent Neurite Outgrowth of PC12 Cells	T. Shintani and M. Noda	259
---	-------------------------	-----

Cell Death

- Microglial Cell Death Induced by Glycated Bovine Serum Albumin: Nitric Oxide Involvement M.R. Khazaei, M. Habibi-Rezaei, F. Karimzadeh, A.A. Moosavi-Movahedi, A.A. Sarrafnejhad, F. Sabouni and M. Bakhti 197
- Nicotine Suppresses Tunicamycin-Induced, But Not Thapsigargin-Induced, Expression of GRP78 during ER Stress-Mediated Apoptosis in PC12 Cells H. Sasaya, T. Utsumi, K. Shimoke, H. Nakayama, Y. Matsumura, K. Fukunaga and T. Ikeuchi 251

Differentiation, Development, and Aging

- Elongation and Desaturation of Fatty Acids are Critical in Growth, Lipid Metabolism and Ontogeny of *Caenorhabditis elegans* M. Horikawa, T. Nomura, T. Hashimoto and K. Sakamoto 149

BIOTECHNOLOGY

Drug Delivery Systems

- Susceptibilities of Phospholipid Membranes Containing Cholesterol or Ergosterol to Gramicidin and its Derivative Incorporated in Lysophospholipid Micelles N. Yoshida, T. Mita and M. Onda 167