

CONTENTS Rearranged According to Subject Categories, Vol. 144, No. 5

BIOCHEMISTRY

Biochemistry General

- Role of the Aromatic Residues in the Near-amino Terminal Motif of Vimentin in Intermediate Filament Assembly
In Vitro R. Gohara, S. Nishikawa, Y. Takasaki and S. Ando 675

Glycobiology and Carbohydrate Biochemistry

- Contribution of Complement Component C3 and Complement Receptor Type 3 to Carbohydrate-dependent Uptake of Oligomannose-coated Liposomes by Peritoneal Macrophages Y. Abe, Y. Kuroda, N. Kuboki, M. Matsushita, N. Yokoyama and N. Kojima 563

Lipid Biochemistry

- The Nudix Hydrolase 7 is an Acyl-CoA Diphosphatase Involved in Regulating Peroxisomal Coenzyme A Homeostasis S.-J. Reilly, V. Tillander, R. Ofman, S.E.H. Alexson and M.C. Hunt 655

- Expression and Secretion of *N*-acylethanolamine-hydrolysing Acid Amidase in Human Prostate Cancer Cells J. Wang, L.-Y. Zhao, T. Uyama, K. Tsuboi, X.-X. Wu, Y. Kakehi and N. Ueda 685

Enzymology

- Expression, Purification and Characterization of Human PHD1 in *Escherichia coli* X.Y. Li, C. Takasaki, Y. Satoh, S. Kimura, K.-i. Yasumoto and K. Sogawa 555

Biochemistry of Proteolysis

- The Role of β -TrCP1 and β -TrCP2 in Circadian Rhythm Generation by Mediating Degradation of Clock Protein PER2 K. Ohsaki, K. Oishi, Y. Kozono, K. Nakayama, K.I. Nakayama and N. Ishida 609

Biochemistry in Cell Membranes

- Cell-free Synthesis of the Torque-Generating Membrane Proteins, PomA and PomB, of the Na⁺-driven Flagellar Motor in *Vibrio alginolyticus* H. Terashima, R. Abe-Yoshizumi, S. Kojima and M. Homma 635

MOLECULAR BIOLOGY

Gene Expression

- Inhibition of Human Immunodeficiency Virus Type 1 Replication by Blocking I κ B Kinase with Noraristeromycin K. Asamitsu, T. Yamaguchi, K. Nakata, Y. Hibi, A.-F.B. Victoriano, K. Imai, K. Onozaki, Y. Kitade and T. Okamoto 581

- A Prolyl-hydroxylase Inhibitor, Ethyl-3,4-dihydroxybenzoate, Induces Haem Oxygenase-1 Expression in Human Cells Through a Mechanism Independent of Hypoxia-inducible Factor-1 α B. Li, K. Takeda, S. Yokoyama and S. Shibahara 643

Protein Synthesis

- Biochemical Evidence for the Heptameric Complex L10(L12)₆ in the *Thermus thermophilus* Ribosome: *In Vitro* Analysis of its Molecular Assembly and Functional Properties T. Nomura, M. Nakatsuchi, D. Sugita, M. Nomura, T. Kaminishi, C. Takemoto, M. Shirouzu, T. Miyoshi, S. Yokoyama, A. Hachimori and T. Uchiumi 665

Genetic Engineering

- Construction of a Fully Synthetic Human scFv Antibody Library with CDR3 Regions Randomized by a Split-Mix-Split Method and Its Application C.-C. Yin, L.-L. Ren, L.-L. Zhu, X.-B. Wang, Z. Zhang, H.-L. Huang and X.-Y. Yan 591

CELL

Extracellular Matrices and Cell Adhesion Molecules

- Genetic Modulation of CD44 Expression by Intragraft Fibroblasts G.D. Wu, H. Wang, H. Zhu, Y. He, M.L. Barr and A.S. Klein 571
- Intercellular Accumulation of Type V Collagen Fibrils in Accordance with Cell Aggregation T. Kihara, Y. Imamura, Y. Takemura, K. Mizuno, E. Adachi and T. Hayashi 625

Receptors and Signal Transduction

- Saturated Fatty Acids Inhibit Hepatic Insulin Action by Modulating Insulin Receptor Expression and Post-receptor Signalling M.W. Ruddock, A. Stein, E. Landaker, J. Park, R.C. Cooksey, D. McClain and M.-E. Patti 599

BIOTECHNOLOGY

Gene and Protein Engineering

- Crystal Structures of K33 Mutant Hen Lysozymes with Enhanced Activities T. Goto, T. Ohkuri, S. Shioi, Y. Abe, T. Imoto and T. Ueda 619

ERRATUM

691