

CONTENTS Rearranged According to Subject Categories, Vol. 145, No. 2

BIOCHEMISTRY

Biochemistry General

- Dissociation and Reconstitution Studies of a Broad Substrate Specific Multimeric Alcohol Oxidase Protein Produced by *Aspergillus terreus* A.K. Kumar and P. Goswami 259

Protein Structure

- Compact Packing of Lipocalin-type Prostaglandin D Synthase Induced by Binding of Lipophilic Ligands K. Inoue, N. Yagi, Y. Urade and T. Inui 169

- The 1.9Å X-Ray Structure of Egg-white Lysozyme from Taiwanese Soft-Shell Turtle (*Trionyx Sinensis* Wiegmann) Exhibits Structural Differences from the Standard Chicken-Type Lysozyme J. Siritapetawee, S. Thammasirirak, R.C. Robinson and J. Yuvaniyama 193

- Structural Insights of the Nucleotide-Dependent Conformational Changes of *Thermotoga maritima* MutL Using Small-Angle X-ray Scattering Analysis T.G. Kim, H.J. Cha, H.J. Lee, S.-D. Heo, K.Y. Choi, J.K. Ku and C. Ban 199

Enzymology

- Analysis on Substrate Specificity of *Escherichia coli* Ribonuclease P Using Shape Variants of pre-tRNA: Proposal of Subsites Model for Substrate Shape Recognition S. Suwa, Y. Nagai, A. Fujimoto, Y. Kikuchi and T. Tanaka 151

- Prostaglandin F_{2α} Synthase Activities of Aldo-Keto Reductase 1B1, 1B3 and 1B7 Z. Kabututu, M. Manin, J.-C. Pointud, T. Maruyama, N. Nagata, S. Lambert, A.-M. Lefrançois-Martinez, A. Martinez and Y. Urade 161

Enzyme Inhibitors

- Inhibition of the 20S Proteasome by a Protein Proteinase Inhibitor: Evidence That a Natural Serine Proteinase Inhibitor Can Inhibit a Threonine Proteinase K. Yabe and T. Koide 217

Metabolism and Bioenergetics

- Mitochondrial Dehydrogenases in the Aerobic Respiratory Chain of the Rodent Malaria Parasite *Plasmodium yoelii yoelii* K. Kawahara, T. Mogi, T.Q. Tanaka, M. Hata, H. Miyoshi and K. Kita 229

MOLECULAR BIOLOGY

Molecular Biology General

- Molecular Characterization of Alanine Racemase in the Kuruma Prawn *Marsupenaeus japonicus* N. Yoshikawa, S. Okada and H. Abe 249

CELL

Cell General

- TAL1/SCL Relieves the E2-2-Mediated Repression of VEGFR2 Promoter Activity A. Tanaka, F. Itoh, S. Itoh and M. Kato 129

Cytoskeleton, Cell Motility, and Cell Shape

- The Role of Actomyosin Contractility in the Formation and Dynamics of Actin Bundles During Fibroblast Spreading Y. Senju and H. Miyata 137

Receptors and Signal Transduction

- Heparin Binding Epidermal Growth Factor-Like Growth Factor and PD169316 Prevent Apoptosis in Mouse Embryonic Stem Cells M. Krishnamoorthy, J. Heimburg-Molinaro, A.M. Bargo, R.J. Nash and R.J. Nash 177

Stress Proteins and Molecular Chaperones

- Nuclear Localization Mechanism of Hsp105 β and its Possible
Function in Mammalian Cells Y. Saito, N. Yamagishi and
T. Hatayama 185

Differentiation, Development, and Aging

- CCN Family 2/Connective Tissue Growth Factor Modulates
BMP Signalling as a Signal Conductor, Which Action
Regulates the Proliferation and Differentiation of
Chondrocytes A. Maeda, T. Nishida, E. Aoyama,
S. Kubota, K.M. Lyons, T. Kuboki
and M. Takigawa 207
- A New Synthetic Compound, SST-VEDI-1, Inhibits Osteoblast
Differentiation with a Down-Regulation of the Osterix
Expression Y. Mikami, M. Somei and M. Takagi 239