

## CONTENTS Rearranged According to Subject Categories, Vol. 145, No. 4

### BIOCHEMISTRY

#### Biochemistry General

- Cloning and Expression of the MutM Gene from Obligate Anaerobic Bacterium *Desulfovibrio vulgaris* (Miyazaki F) H. Sanada, T. Nakanishi, H. Inoue and M. Kitamura 525

#### Protein Structure

- Closed Complex of the D-3-Hydroxybutyrate Dehydrogenase Induced by an Enantiomeric Competitive Inhibitor K. Nakashima, K. Ito, Y. Nakajima, R. Yamazawa, S. Miyakawa and T. Yoshimoto 467

- Cooperative Binding of L-Trp to Human Tryptophan 2,3-Dioxygenase: Resonance Raman Spectroscopic Analysis E. Fukumura, H. Sugimoto, Y. Misumi, T. Ogura and Y. Shiro 505

- Interactions Between Histidine and Tryptophan Residues in the BM2 Proton Channel from Influenza B Virus K. Otomo, A. Toyama, T. Miura and H. Takeuchi 543

#### Protein Interaction and Recognition

- In Vitro* and *In Vivo* Interactions of Ferredoxin-NADP<sup>+</sup> Reductases in *Pseudomonas putida* J. Yeom, C.O. Jeon, E.L. Madsen and W. Park 481

#### Glycobiology and Carbohydrate Biochemistry

- Molecular Phenotyping of Mannosyltransferases-Deficient *Candida albicans* Cells by High-Resolution Magic Angle Spinning NMR E. Maes, C. Mille, X. Trivelli, G. Janbon, D. Poulain and Y. Guérardel 413

#### Enzymology

- Serine Racemase with Catalytically Active Lysinoalanyl Residue T. Yamauchi, M. Goto, H.-Y. Wu, T. Uo, T. Yoshimura, H. Mihara, T. Kurihara, I. Miyahara, K. Hirotsu and N. Esaki 421

- Colicin E5 Ribonuclease Domain Cleaves *Saccharomyces cerevisiae* tRNAs Leading to Impairment of the Cell Growth T. Ogawa, M. Hidaka, K. Kohno and H. Masaki 461

- Gene Identification and Characterization of 5-Formyl-3-Hydroxy-2-Methylpyridine 4-Carboxylic Acid 5-Dehydrogenase, an NAD<sup>+</sup>-Dependent Dismutase N. Yokochi, Y. Yoshikane, S. Matsumoto, M. Fujisawa, K. Ohnishi and T. Yagi 493

#### Reactive Oxygen and Nitrogen Species

- Peroxiredoxin III-deficiency Sensitizes Macrophages to Oxidative Stress L. Li, T. Kaifu, M. Obinata and T. Takai 425

#### Biochemistry in Cell Membranes

- Identification and Functional Characterization of Rat Riboflavin Transporter 2 S. Yamamoto, K. Inoue, K.-y. Ohta, R. Fukatsu, J.-y. Maeda, Y. Yoshida and H. Yuasa 437

### MOLECULAR BIOLOGY

#### RNA Processing

- Concerted Effects of Two Activator Modules on the Group I Ribozyme Reaction Y. Ikawa, T. Shiohara, S. Ohuchi and T. Inoue 429

### BIOTECHNOLOGY

#### Biotechnology General

- Protein Oxidation During Long Storage: Identification of the Oxidation Sites in Dihydrofolate Reductase from *Escherichia coli* through LC-MS and Fragment Studies T. Takenawa, A. Yokota, M. Oda, H. Takahashi and M. Iwakura 517

**Gene and Protein Engineering**

Functional Expression of Miraculin, a Taste-Modifying Protein in <i>Escherichia Coli</i>	T. Matsuyama, M. Satoh, R. Nakata, T. Aoyama and H. Inoue	445
Construction of the Plasmid, Expression by Chinese Hamster Ovary Cell, Purification and Characterization of the First Three Short Consensus Repeat Modules of Human Complement Receptor Type 1	A. Yamaguchi, H. Takagawa, H. Iwakaji, S. Miyagawa, P.-C. Wang and N. Ishii	533
<b>RNA Technology</b>		
Highly Active Low Magnesium Hammerhead Ribozyme	A. Fedoruk-Wyszomirska, M. Szymański, E. Wyszko, M.Z. Barciszewska and J. Barciszewski	451