

Tumor and Immunology

- Dlk-1, a cell surface antigen on foetal hepatic stem/progenitor cells, is expressed in hepatocellular, colon, pancreas and breast carcinomas at a high frequency H. Yanai, K. Nakamura, S. Hijioka, A. Kamei, T. Ikari, Y. Ishikawa, E. Shinozaki, N. Mizunuma, K. Hatake and A. Miyajima 85

BIOTECHNOLOGY

Biotechnology General

- Development of evaluation system for bioactive substances using human artificial chromosome-mediated osteocalcin gene expression Y. Takahashi, S. Tsuji, Y. Kazuki, M. Noguchi, I. Arifuku, Y. Umebayashi, T. Nakanishi, M. Oshimura and K. Sato 29

JB REVIEWS

- Featured article of the month.** The proposed functions of membrane curvatures mediated by the BAR domain superfamily proteins S. Suetsugu 1
- Featured article of the month.** Autotaxin—an LPA producing enzyme with diverse functions K. Nakanaga, K. Hama and J. Aoki 13

BIOCHEMISTRY

Biochemistry General

- Stopped flow kinetic studies on reductive half-reaction of histamine dehydrogenase from *Nocardioides simplex* with histamine M. Tsutsumi, S. Tsujimura, O. Shirai and K. Kano 47

Protein Structure

- Functional study on GTP hydrolysis by the GTP-binding protein from *Sulfolobus solfataricus*, a member of the HflX family B. Huang, H. Wu, N. Hao, F. Blombach, J. van der Oost, X. Li, X.C. Zhang and Z. Rao 103

Protein Interaction and Recognition

- Interaction of weakly bound antibiotics neomycin and lincomycin with bovine and human serum albumin: biophysical approach N. Keswani, S. Choudhary and N. Kishore 71

Glycobiology and Carbohydrate Biochemistry

- Characterization of rice nucleotide sugar transporters capable of transporting UDP-galactose and UDP-glucose J. Seino, K. Ishii, T. Nakano, N. Ishida, M. Tsujimoto, Y. Hashimoto and S. Takashima 35

Biochemical Pharmacology

- Ligand orientation governs conjugation capacity of UDP-glucuronosyltransferase 1A1 Y. Takaoka, M. Ohta, A. Takeuchi, K. Miura, M. Matsuo, T. Sakaeda, A. Sugano and H. Nishio 25

CELL

Cell General

- Anti-human HB-EGF monoclonal antibodies inhibiting ectodomain shedding of HB-EGF and diphtheria toxin binding M. Hamaoka, I. Chinen, T. Murata, S. Takashima, R. Iwamoto and E. Mekada 55

Receptors and Signal Transduction

- Calcineurin mediates the angiotensin II-induced aldosterone synthesis in the adrenal glands by up-regulation of transcription of the *CYP11B2* gene T. Yamashiro, H. Kuge, J. Zhang and K. Honke 115

Differentiation, Development, and Aging

- Dibutyryl-cAMP up-regulates *nur77* expression via histone modification during neurite outgrowth in PC12 cells H. Maruoka, H. Sasaya, Y. Shimamura, Y. Nakatani, K. Shimoke and T. Ikeuchi 93

(Contents continued on inside of back cover)

