

## JB REFLECTIONS AND PERSPECTIVES

- Featured article of the month.** Nobuhiko Katunuma: an outstanding scientist in the field of proteolysis and warm-hearted 'Kendo Fighter' biochemist H. Kido and K. Ishidoh 527

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### Protein Interaction and Recognition

- Characterization of a functional C-terminus of the *Mycobacterium tuberculosis* MtrA responsible for both DNA binding and interaction with its two-component partner protein, MtrB Y. Li, J. Zeng and Z.-G. He 549

### Glycobiology and Carbohydrate Biochemistry

- Molecular characterization of plant acidic  $\alpha$ -mannosidase, a member of glycosylhydrolase family 38, involved in the turnover of N-glycans during tomato fruit ripening M.A. Hossain, R. Nakano, K. Nakamura, M.T. Hossain and Y. Kimura 603

### Lipid Biochemistry

- Defect of synthesis of very long-chain fatty acids confers resistance to growth inhibition by inositol phosphorylceramide synthase repression in yeast *Saccharomyces cerevisiae* M. Tani and O. Kuge 565
- A revised biosynthetic pathway for phosphatidylinositol in *Mycobacteria* H. Morii, M. Ogawa, K. Fukuda, H. Taniguchi and Y. Koga 593
- Characterization of HACD1 K64Q mutant found in arrhythmogenic right ventricular dysplasia patients H. Konishi, A. Okuda, Y. Ohno and A. Kihara 617

### Metabolism and Bioenergetics

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## MOLECULAR BIOLOGY

### Replication and Recombination

- Identification of proteins that may directly interact with human RPA R. Nakaya, J. Takaya, T. Onuki, M. Moritani, N. Nozaki and Y. Ishimi 539

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- NF- $\kappa$ B regulates the expression of Nucling, a novel apoptosis regulator, with involvement of proteasome and caspase for its degradation N.H. Tran, T. Sakai, S.M. Kim and K. Fukui 573

## CELL

### Cell Cycle

- Featured article of the month.** Proline-rich domain in dynamin-2 has a low microtubule-binding activity: how is this activity controlled during mitosis in HeLa cells? M. Morita, K. Hamao, S. Izumi, E. Okumura, K. Tanaka, T. Kishimoto and H. Hosoya 533

### Differentiation, Development, and Aging

- Evidence for multiple group 1 late embryogenesis abundant proteins in encysted embryos of *Artemia* and their organelles A.H. Warner, O. Miroshnychenko, A. Kozarova, P.O. Vacratsis, T.H. MacRae, J. Kim and J.S. Clegg 581

## BIOTECHNOLOGY

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