

# THE FASEB JOURNAL

## CONTENTS

### Public Affairs

- Sharing the Pain—NIH Institutes Cope With Lean Times . . . . . 1561

### News

- In Brief . . . . . 1563

### Reviews

- Specificity of molecular changes in neurons involved in memory storage. *D. L. Alkon and T. J. Nelson* . . . . . 1567
- Molecular architecture of basement membranes. *P. D. Yurchenco and J. C. Schittny* . . . . . 1577
- Bifunctional thymidylate synthase-dihydrofolate reductase in protozoa. *K. M. Ivanetich and D. V. Santi* . . . . . 1591
- The sodium pump needs its  $\beta$  subunit. *A. A. McDonough, K. Geering, and R. A. Farley* . . . . . 1598
- Diversity in mammalian tachykinin peptidergic neurons: multiple peptides, receptors, and regulatory mechanisms. *C. J. Helke, J. E. Krause, P. W. Mantyh, R. Couture, M. J. Bannon* . . . . . 1606
- Complex and diversified regulatory programs control the expression of vertebrate collagen genes. *F. Ramirez and M. Di Liberto* . . . . . 1616

### Research Communications

- Immature cortical neurons are uniquely sensitive to glutamate toxicity by inhibition of cystine uptake. *T. H. Murphy, R. L. Schnaar, and J. T. Coyle* . . . . . 1624
- Cellular stress induces a redistribution of the glucose transporter. *C. C. Widnell, S. A. Baldwin, A. Davies, S. Martin, and C. A. Pasternak* . . . . . 1634
- Effect of buffer systems and  $\text{pH}_i$  on the measurement of  $[\text{Ca}^{2+}]_i$  with fura 2. *M. B. Ganz, J. Rasmussen, W. B. Bollag, and H. Rasmussen* . . . . . 1638
- Ex vivo lipopolysaccharide-induced interleukin 1 secretion from murine peritoneal macrophages inhibited by probucol, a hypocholesterolemic agent with antioxidant properties. *G. Ku, N. S. Doherty, L. F. Schmidt, R. L. Jackson, and R. J. Dinerstein* . . . . . 1645
- Mediation of renal vascular effects of epidermal growth factor by arachidonate metabolites. *R. C. Harris, K. A. Munger, K. F. Badr, and K. Takahashi* . . . . . 1654
- Human chagasic IgG interacting with lymphocyte neurotransmitter receptors triggers intracellular signal transduction. *L. Sterin-Borda, G. Gorelik, A. Genaro, J. C. Goin, and E. S. Borda* . . . . . 1661
- Effect of carbachol and cyclic GMP on susceptibility to ventricular fibrillation. *G. E. Billman* . . . . . 1668
- Membership . . . . . 1674
- Calendar . . . . . 1675
- Book List . . . . . 1686
- New Products and Literature . . . . . 1687
- Employment Opportunities . . . . . 1689