CONTENTS

Editorial ................................................................. 1
Public Affairs ........................................................... 3

Reviews

Therapeutic opportunities involving cellular oncogenes: novel approaches fostered by biotechnology.  
B. E. Huber ............................................................... 5

Human DNA polymerase α: predicted functional domains and relationships with viral DNA polymerases.  
T. S.-F. Wang, S. W. Wong, and D. Korn ........................................ 14

AIDS: a syndrome of immune dysregulation, dysfunction, and deficiency.  
A. S. Edelman and S. Zolla-Pazner ........................................... 22

Endothelium-derived nitric oxide: actions and properties.  
L. J. Ignarro ............................................................... 31

Research Communications

Nuclear disintegration of cells by killer B lymphocytes from tumor-bearing mice.  

Guanine nucleotide-dependent, pertussis toxin-insensitive regulation of phosphoinositide turnover by  
bradykinin in bovine pulmonary artery endothelial cells.  
T. A. Voyno-Yasenetskaya, V. A. Tkachuk,  

Heterogeneity of pH in the aqueous cytoplasm of renal proximal tubule cells.  
T. Y. Aw and D. P. Jones .................................................. 52

Cytosolic-free Ca2+ and cell killing in hepatoma 1c1c7 cells exposed to chemical anoxia.  
P. Nicotera,  
H. Thor, and S. Orrenius ................................................... 59

Occurrence of platelet-activating factor (PAF) in normal rat stomach and alteration of PAF level by water  
imersion stress.  
J. Sugatani, K. Fujimura, M. Miwa, T. Mizuno, Y. Samehima, and K. Saito .................................................. 65

High-yield trapping of EGF-induced receptor dimers by chemical cross-linking.  
B. O. Fanger, J. E. Stephens, and J. V. Staros .................................... 71

Calendar ................................................................. 76

Book Reviews .......................................................... 84

Books ................................................................. 87

Federation News ....................................................... 88

Wellcome Visiting Professorships; AAI member awarded Griffuel prize; LSRO study on anemia in  
childbearing women; FASEB 73rd Annual Meeting—news and previews

Special Feature: This Is FASEB.  Robert W. Krauss .............................. 94

News ................................................................. 101

Malaria vaccine testing; kidney stones; health funding; grants in biological sciences

New Products and Literature ........................................... 102

Information for Authors ............................................... 105

Employment Opportunities ............................................. 110