vi Contents

No. 4, April 1, 1972

G. Gabbiani, B. J. Hirschel, G. B. Ryan, P. R. Statkov, and G. Majno.	
Granulation tissue as a contractile organ. A study of structure and	
function	719
MARC FELDMANN. Induction of immunity and tolerance in vitro by hap-	
ten protein conjugates. I. The relationship between the degree of	
hapten conjugation and the immunogenicity of dinitrophenylated	
polymerized flagellin	735
DONALD R. THURSH and EUGENE E. EMESON. The immunologically	
specific retention of recirculating long-lived lymphocytes in lymph	
nodes stimulated by xenogeneic erythrocytes	754
HARVEY CANTOR and RICHARD ASOFSKY. Synergy among lymphoid cells	
mediating the graft-versus-host response. III. Evidence for interac-	
tion between two types of thymus-derived cells	764
B. Mantovani, M. Rabinovitch, and V. Nussenzweig. Phagocytosis	
of immune complexes by macrophages. Different roles of the macro-	

CONTENTS vii

phage receptor sites for complement (C3) and for immunoglobulin	PAGE
(IgG)	780
W. D. BIGGAR, OSIAS STUTMAN, and ROBERT A. GOOD. Morphological	
and functional studies of fetal thymus transplants in mice	793
ALAN E. BEER, R. E. BILLINGHAM, and S. L. YANG. Maternally induced transplantation immunity, tolerance, and runt disease in rats	808
MICHAEL B. A. OLDSTONE and FRANK J. DIXON. Disease accompanying in utero viral infection. The role of maternal antibody in tissue injury after transplacental infection with lymphocytic choriomeningitis	000
virus	827
George Klein, Sten Friberg, Jr., and Henry Harris. Two kinds of	
antigen suppression in tumor cells revealed by cell fusion	839
Olof Sjöberg. Rapid breaking of tolerance against Escherichia coli lipo-	
polysaccharide in vivo and in vitro	850
DONALD H. GILDEN, GERALD A. COLE, ANDREW A. MONJAN, and NEAL	
NATHANSON. Immunopathogenesis of acute central nervous system disease produced by lymphocytic choriomeningitis virus. I. Cyclo-	
phosphamide-mediated induction of the virus-carrier state in adult	
mice	860
DONALD H. GILDEN, GERALD A. COLE, and NEAL NATHANSON. Im-	000
munopathogenesis of acute central nervous system disease produced by lymphocytic choriomeningitis virus. II. Adoptive immunization	
of virus carriers	874
PIERRE GOLDSTEIN, HANS WIGZELL, HENRIC BLOMGREN, and ERIK A. J. SVEDMYR. Cells mediating specific in vitro cytotoxicity. II. Probable autonomy of thymus-processed lymphocytes (T cells) for the	
killing of allogeneic target cells	890
D. D. JOEL, M. W. HESS, and H. COTTIER. Magnitude and pattern of	007
thymic lymphocyte migration in neonatal mice	907
JAN KLEIN and DONALD C. SHREFFLER. Evidence supporting a two-gene model for the H-2 histocompatibility system of the mouse	924
MARGRIT SCHEID, EDWARD A. BOYSE, ELIZABETH A. CARSWELL, and	747
LLOYD J. OLD. Serologically demonstrable alloantigens of mouse	
epidermal cells	938
JOHN J. MARCHALONIS, ROBERT E. CONE, and JOHN L. ATWELL. Isola-	
tion and partial characterization of lymphocyte surface immuno-	
globulins	956
GIDEON BERKE and RAPHAEL H. LEVEY. Cellular immunoabsorbents in transplantation immunity. Specific in vitro deletion and recovery	07.0
of mouse lymphoid cells sensitized against allogeneic tumors S. B. SALVIN and J. NISHIO. Lymphoid cells in delayed hypersensitivity.	972
5. D. SALVIN and T. MISHIO. Lymphold cens in delayed hyperschisteraty.	

viii CONTENTS

III. The influence of X-irradiation on passive transfer and on in vitro	PAGE
production of soluble mediators	985
BRIEF DEFINITIVE REPORTS	
Henryk M. Skurzak, Eva Klein, Takato O. Yoshida, and Eddie W.	
LAMON. Synergistic or antagonistic effect of different antibody con-	
centrations on in vitro lymphocyte cytotoxicity in the Moloney sar-	
coma virus system	997
Hans J. Müller-Eberhard and Otto Götze. C3 proactivator con-	
ver ase and its mode of action	1003