

# Contents

Experimental alteration of the phenotype of animal cells *in vivo*  
 CHARLES B. HUGGINS .....page 1

## *The cell*

Molecular pathology of the cancer cell JOHN PAUL and IVOR HICKEY.....	4
Human genetic markers as tracers of tumour histogenesis PHILIP J. FIALKOW.....	11
Cell hybridization and cancer J. F. WATKINS .....	16
The mitotic cycle and cell population control L. F. LAMERTON .....	19
Some studies on early embryonic development relevant to the study of cancer H. R. WOODLAND .....	26
Ligand-induced redistribution of membrane macromolecules: some possible implications for cancer MARTIN C. RAFF AND STEFANELLO de PETRIS .....	31
Death in normal and neoplastic cells A. H. WYLLIE .....	35
Lysosomes in cancer cells A. C. ALLISON .....	43

## *The neoplastic cell*

The effects of steroid hormones and carcinogens on the interaction of membranes with polysomes B. R. RABIN, CAROL A. BLYTH, DELMA DOHERTY, R. B. FREEDMAN, ANNE ROOBOL, G. SUNSHINE, and D. J. WILLIAMS .....	51
Effects of tumour viruses on cell growth M. G. P. STOKER	60
Hormones and neoplasia A. P. M. FORREST .....	65

## *Tumour immunity*

The lymphoid system and experimental neoplasias A. J. S. DAVIES, B. J. WESTON, R. L. CARTER, and T. A. CONNORS ....	72
The role of macrophages in tumour immunity PETER ALEXANDER .....	77
The role of circulating antibody in the control of metastases M. G. LEWIS .....	83

## *Tumour differentiation*

Differentiation in breast cancer STRETTON YOUNG, LILLIAN S. C. PANG, and IAIN GOLDSMITH .....	94
---	----

*Contents continued overleaf*

*Contents continued*

Tumours of the lymphoreticular system: nomenclature, histogenesis, and behaviour	N. F. C. GOWING	103
Enzymes and histological differentiation of tumours	C. C. BIRD	108

*Tumour-associated products*

Nature and significance of the antigens associated with human gastrointestinal tumours	P. BURTIN	115
Clinical value of tumour-associated antigens	A. MUNRO NEVILLE	119
Tumour-associated hormonal products	J. LANDON, J. G. RATCLIFFE, LESLEY H. REES, and A. P. SCOTT	127
Index		135