

Bacterial Endotoxins and Host Response

Proceedings of the 4th International Congress of Immunology Satellite Workshop held in Paris, France, on 26 July, 1980.

edited by M. K. AGARWAL

This work is the result of an international workshop in which researchers gathered together to discuss the 'state of the art' in the field of endotoxin research.

Bacterial endotoxins evoke a very wide variety of biological response in the host and are reported to affect almost all organ systems. Host response to endotoxins has been studied with most tools available to the biologist, but to date it has not been possible to establish a coherent picture.

The workshop reviewed the recent

advances made in this field over the last few years. A main topic of discussion was whether endotoxins attacked one or a few sites initially or whether the diversity of host response is an expression of simultaneous modulation of a number of targets.

For researchers and biologists working within this discipline this book will provide up-to-date information.

Contents: Foreword. Acknowledgements. ENDOTOXINS: Isolation and structure. Endotoxin Immune Reactions. ENDOTOXINS: Specialized Reactions. Endotoxin-Reticuloendothelial System Interactions. ENDOTOXINS: Metabolic Aspects. General Discussion. Author Index. Subject Index.

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Microtubules and Microtubule Inhibitors 1980

Proceedings of the 2nd International Symposium on Microtubules and Microtubule Inhibitors, Beerse, Belgium, 26-29 August, 1980.

Organized by the Janssen Research Foundation under the auspices of the Belgian Society for Cell Biology, Chaired by P. Dustin and K. R. Porter.

edited by M. DE BRABANDER and J. DE MEY

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The first symposium on microtubules (1975) initiated a new field of research in which cell biologists, biochemists, molecular biologists and pharmacologists worked together in solving problems of the structure, composition, regulation of assembly and function of microtubules. The 2nd symposium (1980) gives a clear statement of what has been done to date, and the proceedings of this meeting will give the support for further investigations in this fast developing field. New techniques, such as high voltage electron microscopic observation of whole cells have helped to establish unifying concepts and clarified the role of microtubules. Molecular biology and

biochemistry have supported this field of research and aspects of mitosis and microtubule-associated protein interactions are much better understood. The persistence of the investigators involved will certainly give rise to new information in the future, and this work will therefore be of essential value to all working in this field.

CONTENTS: Preface.
1. MICROTUBULES IN THE CONTROL OF CELL FORM AND MOVEMENT, SUB-CELLULAR ORGANIZATION AND ORGANELLE TRANSLOCATION.
2. PHYSICO-CHEMISTRY OF TUBULIN AND MICROTUBULE ASSEMBLY.

3. MICROTUBULES AND MICROTUBULE ASSOCIATED PROTEINS.

4. ORGANISED MICROTUBULE ASSEMBLY *IN VITRO* AND *IN VIVO*.
5. MICROTUBULES AND MITOSIS.
6. TUBULIN MEMBRANE INTERACTIONS AND MICROTUBULES IN THE RECEPTOR-EFFECTOR.
7. MICROTUBULE AND MICROTUBULE INHIBITORS: BIO-MEDICAL AND EVOLUTIONARY ASPECTS.

Some notes on the early characterization of microtubules. Closing Remarks. Author Index.

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