

SYMPOSIA SERIES No. 42

BIOCHEMISTRY OF THE CELL NUCLEUS

Edited by **P. B. Garland** and **A. P. Mathias**

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The articles of this Symposium deal with aspects of the structure and function of the cell nucleus, at several levels of molecular and biological organization. Although much is already known of the way in which the genetic information of eukaryotic cells is stored, replicated, transcribed and processed, the scale and intricacy of the operation is immense in comparison with the simpler and more amenable bacterial systems. Accordingly our knowledge of the more highly evolved eukaryotic systems is far from complete, both in concept and detail. The articles not only review present knowledge; no less importantly they identify areas where mystery is more obvious than mechanism, and they pose some of the central questions that future research will have to answer.

Biochemistry of the Cell Nucleus will be timely reading for those in life or medical sciences who, either by their teaching or research, or just general intellectual curiosity, desire to deepen their understanding of how the nucleus masterminds the incredibly complex but beautifully co-ordinated activities of the cell.

List of contents and authors:

Multiplicity of Animal Cell Deoxyribonucleic Acid Polymerases by **G. Brun & F. Chapeville.**

The Heterogeneity of Deoxyribonucleic Acid Polymerase- α by **A. M. Holmes, I. P. Hesselwood, R. G. Wickremasinghe & I. R. Johnston.**

Variation of Deoxyribonucleic Acid Polymerases in the Cell Cycle by **H. M. Keir, R. K. Craig & A. G. McLennan.**

The Deoxyribonucleic Acid Polymerases of Non-Vertebrate Eukaryotes by **A. G. McLennan & H. M. Keir.**

Eukaryotic Deoxyribonucleic Acid-Dependent Ribonucleic Acid Polymerases: A Critical Assessment of Current Ideas Concerning their Multiplicity, Specificity and Function and their Role in the Regulation of Gene Expression by **T. J. C. Beebee & P. H. W. Butterworth.**

An Approach to the Understanding of Messenger Ribonucleic Acid Synthesis, Processing and Regulation in Eukaryotes by **R. Williamson.**

Post-Synthetic Modifications of Nuclear Macromolecules by **S. Shall, P. Goodwin, H. Halldorsson, G. Khan, C. Skidmore & C. Tsopanakis.**

Chromatin Structure by **T. O. Thomas.**

Structure and Function of Nuclear Membranes by **W. W. Franke.**

Non-Histone Chromosomal Proteins: Their Role in the Regulation of Histone-Gene Expression by **G. S. Stein, J. L. Stein, L. J. Kleinsmith, R. L. Jansing, W. D. Park & J. A. Thomson.**

Inside 45S Ribonucleic Acid by **B. E. H. Maden, M. S. N. Khan, D. G. Hughes & J. P. Goddard.**

Injected Amphibian Oocytes: A Living Test Tube for the Study of Eukaryotic Gene Transcription? by **E. M. De Robertis, J. B. Gurdon, G. A. Partington & R. A. Laskey.**

Mitosis and Microtubule Assembly by **M. Jacobs & T. Cavalier-Smith.**

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Fundamental and applied aspects of Photosynthesis research have recently begun receiving great attention from Government and Industry in many countries of the world—developing and developed. The realization that a good knowledge of photosynthesis is fundamental to our understanding of all aspects of food production, e.g. related to light and CO₂ utilization, productivity, nitrogen fertilization, water use etc., has encouraged more research effort in the laboratory and in the field. Energy farming (biomass) may also provide a source of liquid and solid fuels in the future.

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The Conference was held under the auspices of the International Photosynthesis Committee and organized by the U.K. Science Committee.

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