

**Manipulation and Expression  
of Genes in Eukaryotes**

**Edited by  
Phillip Nagley  
Anthony W. Linnane  
W. J. Peacock  
J. A. Pateman**

# **Manipulation and Expression of Genes in Eukaryotes**

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## Preface

The presence in Australia of many prominent scientists for the 12th International Congress of Biochemistry in August 1982 provided an opportunity to hold a satellite meeting on eukaryote molecular biology. The manipulation, structure and expression of genes was particularly emphasized at the satellite meeting. More than 200 participants attended this meeting, which was held at Monash University on 9-13 August 1982.

This international conference was neither too wide-ranging nor too highly specialized: the participants had a shared interest in eukaryote molecular biology and represented many different areas of biological research.

This book includes most of the papers presented at the conference. The chapters are arranged in six parts, each based on a particular group of organisms or genetic systems. Each part has a brief introduction that summarizes the main advances in, and problems associated with, research into the particular group.

The diversity of topics addressed in the sixty chapters—covering basic research into animals, plants, simple eukaryotes, viruses and organelles—emphasizes how modern molecular biology and recombinant DNA research can yield valuable information. This has led to the current world-wide interest in developing new biotechnologies which are based on molecular biology and which can be applied to significant industrial, medical and agricultural problems.

The organizers and editors of this volume gratefully acknowledge the sponsorship of the conference by the International Union of Biochemistry, the Australian Biochemical Society, the Commonwealth of Australia, Monash University, CSIRO, the Australian National University, and a number of commercial organizations, from whom financial support was received. Appreciation is expressed to the scientific and technical staff of the Department of Biochemistry at Monash University for their willing assistance, and also to Monash University for making its extensive facilities available.

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