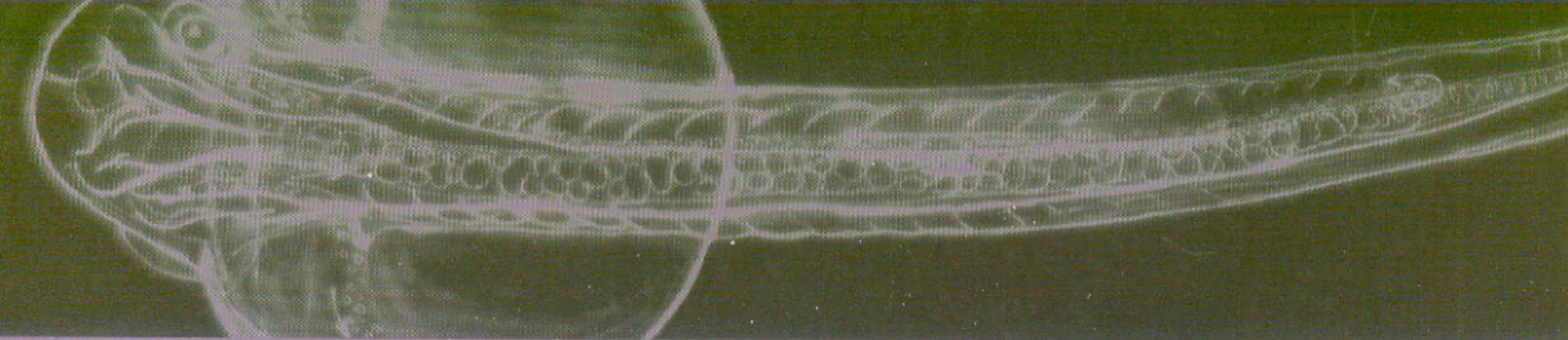




PRACTICAL APPROACH

Series Editor: B. D. Hames
<http://www.oup.com/pas>



The zebrafish offers numerous advantages to researchers interested in embryonic development, physiology and disease. In the next few years the entire zebrafish genome will be sequenced, and several large scale initiatives that exploit the zebrafish as a model system for the understanding of gene function in vertebrates will be complete. The zebrafish will therefore play an increasingly important role in the future of biomedical research.

Recent technical advances now enable rapid testing of the *in vivo* function of large numbers of uncharacterised genes in zebrafish, at speeds impossible in other vertebrate systems. This book provides a complete set of instructions to allow researchers to use zebrafish in their laboratory. It also provides a comprehensive collection of protocols for the most powerful techniques to study them. These include the analysis of embryos using *in situ* hybridization and antibody staining, cell labelling and transplantation methods, along with techniques for manipulating gene expression, mutagenesis, mapping and cloning. An atlas of embryonic stages of development in the zebrafish and an invaluable compilation of all published zebrafish mutations are also included.

This book is an essential source of information and a unique laboratory manual for all researchers who currently work on zebrafish and those planning to do so.

OXFORD

ISBN 0-19-963808-X

