

Methods in Enzymology

Volume 130

Enzyme Structure

Part K

EDITED BY

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Preface

Enzyme Structure, Part J, Volume 117 of *Methods in Enzymology*, was devoted to physical methods. This volume and Volume 131 also deal in detail with physical methods. It is hoped that they present up-to-date coverage of techniques currently available for the study of enzyme conformation, interactions, and dynamics.

As in the past, these volumes present not only techniques that are currently widely available but some which are only beginning to make an impact and some for which no commercial standard equipment is as yet available. In the latter cases, an attempt has been made to guide the reader in assembling his own equipment from individual components and to help him find the necessary information in the research literature.

In the coverage of physical techniques, we have departed somewhat in scope from the traditional format of the series. Since, at the termination of an experiment, physical techniques frequently require much more interpretation than do organic ones; we consider that brief sections on the theoretical principles involved are highly desirable as are sections on theoretical and mathematical approaches to data evaluation and on assumptions and, consequently, limitations involved in the applications of the various methods.

The organization of the material is similar to that of the previous volumes, with Part K being devoted primarily to techniques related to molecular protein interactions and protein conformation.

We wish to acknowledge with pleasure and gratitude the generous cooperation of the contributors to this volume. Their suggestions during its planning and preparation have been particularly valuable. The staff of Academic Press has provided inestimable help in the assembly of this volume. We thank them for their many courtesies.

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