

G Protein-Coupled Receptors

Essential Methods

Editors

David R. Poyner

School of Life and Health Sciences, University of Aston, Birmingham, UK

Mark Wheatley

School of Biosciences, Birmingham University, Birmingham, UK

G Protein-Coupled Receptors (GPCRs) are not only the largest protein family in the human genome but are also the single biggest target for therapeutic agents. Research into GPCRs is therefore growing at a fast pace and the range of techniques that can be applied to GPCRs is vast and continues to grow. This book provides an invaluable bench-side guide into the best and most up-to-date techniques for current and future research on GPCRs.

With contributions from leading international authorities, *GPCR Essential Methods* equips readers with clear and detailed protocols for both well-known and up-and-coming techniques along with hints and tips for success. All the methods have been tried and tested by leading international research labs and are presented in easy-to-follow stages along with a useful overview of each technique.

This book will be of interest to researchers in molecular biology, biochemistry, pharmacology and will be a useful resource for graduate students.

- Highlights the best and most up-to-date techniques for working on GPCRs from the vast range currently in use
- Explains clearly and precisely how to carry out selected techniques in addition to background information on the various approaches
- Chapters are written by leading international authorities in the field and cover both new and well-known, tried and tested methods for working with GPCRs
- An essential laboratory manual for researchers at all levels

Cover design by Sandra Heath

 **WILEY-BLACKWELL**

www.wiley.com/wiley-blackwell

ISBN 978-0-470-74914-2



9 780470 749142