

*Book Received\**

**Molecular Diversity in Drug Design.** Edited by Philip M. Dean (Dept. of Pharmacology, University of Cambridge, UK) Richard A. Lewis (Eli Lilly & Co. Ltd. Windlesham, Surrey, UK). Kluwer Academic Publishers (<http://www.wkap.nl>), Dordrecht. October 1999, 268 pp. Hardbound, NLG 245.00 / USD 150.00 / GBP 85.00. ISBN 0-7923-5980-1

*Received: 22 December 2000*

This book focuses on the theoretical problems associated with molecular diversity as it is being applied in the pharmaceutical industry. Therefore, this book deals with algorithms that are involved in understanding chemical space and selection of diverse sets of structures. The algorithms also deal with the problem of focused diversity where chemical libraries are being created within a structured physical volume.

Diversity is necessarily connected to combinational chemistry, although this book is limited to the application of diversity methods to combinational chemistry and does not deal with synthetic methods. It is this focus on algorithms and strategies for exploiting molecular diversity that makes it different from books on combinational chemistry.

The intended readership of the book falls into two categories: those actively engaged in applying molecular diversity in the chemical industry and those in academia who are developing strategies to embrace, understand and accept the many problems thrown up by this new research field of molecular diversity.

*Contents and Contributors*

Contributors. Acknowledgements. Preface. Issues in Molecular Diversity and the Role of Ligand Binding Sites; *J. Smith, et al.* Molecular Diversity in Drug Design. Application to High-Speed Synthesis and High-Throughput Screening; *C.G. Newton.* Background Theory of Molecular Diversity; *V.J. Gillet.* Absolute vs Relative Similarity and Diversity; *J.S. Mason.* Diversity in Very Large Libraries; *L. Weber, M. Almstetter.* Subset-Selection Methods For Chemical Databases; *P. Willett.* Molecular Diversity in Site-focused Libraries; *D.C. Roe.* Managing Combinatorial Chemistry Information; *K. Davies, C. White.* Design of Small Libraries for Lead Exploration; *P.M. Andersson, et al.* The Design of Small- and Medium-sized Focused Combinatorial Libraries; *R.C. Lewis.* Index.

*\*Editor's Note:* The brief summary and the contents of the books are reported as provided by the author

or the publishers. Authors and publishers are encouraged to send review copies of their recent books of potential interest to readers of *Molecules* to the Editor-in-Chief (Dr. Shu-Kun Lin, MDPI, Saengergasse 25, CH-4054 Basel, Switzerland. Tel. +41 79 322 3379, Fax +41 61 302 8918, E-mail: molinfo@mdpi.org). Some books will be offered to the scholarly community for the purpose of preparing full-length reviews.

© 2000 by MDPI (<http://www.mdpi.org>).