



# THE OILY PRESS

## Books on fats, oils and other lipids

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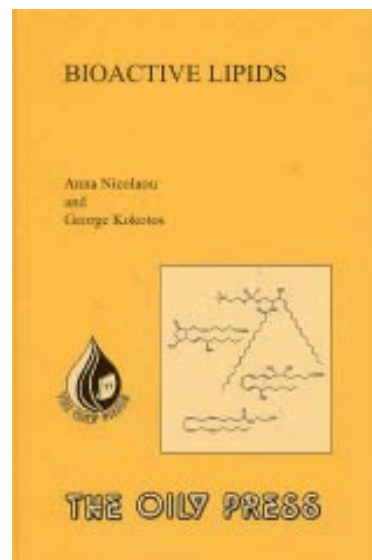
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## BIOACTIVE LIPIDS

Edited by Anna Nicolaou (University of Bradford, UK) and George Kokotos (University of Athens, Greece). 2004, ISBN-13: 978-0-9531949-7-1 (ISBN-10: 0-9531949-7-3). 294 pages, 21 tables, 47 figures, 1127 references. Volume 17 in The Oily Press Lipid Library. Price £85 or US\$174.

In *Bioactive Lipids*, Anna Nicolaou and George Kokotos have brought together an international team of authors to discuss the nomenclature, structures, biochemistry, pharmacology and recent developments in the main classes of bioactive lipids. These lipids are essential components of the cell membrane and play many dynamic roles in mediating and controlling a wide array of cellular activities including membrane structure and organization, metabolic and gene regulation, protein structure and function, energy production, and signalling pathways.

The lipid interests of scientists in the pharmaceutical and food industries are converging as the broader significance of bioactive lipids is increasingly recognized. Lipids and lipid-metabolizing enzymes are targeted for the development of new drugs. Meanwhile, functional foods, nutraceuticals and supplements already have lipids as major active ingredients. The food industry will progress from simply using lipids as ingredients, to the formulation of products that influence the synthesis, metabolism and effects of bioactive lipids in the body. These advances in applied lipid biochemistry will build on the fundamental research of lipid scientists in universities worldwide, such as those contributing to *Bioactive Lipids*.



### The topics covered in *Bioactive Lipids* are.....

- Fatty acids** — Philip C. Calder and Graham C. Burdge, Institute of Human Nutrition, University of Southampton, Southampton, UK
- Diacyl and monoacyl glycerols** — Kevin P. Becker, and Yusuf A. Hannun, Department of Biochemistry and Molecular Biology, Medical University of South Carolina, USA
- Phosphoinositides** — Bernard Payrastra, Hôpital Purpan, Toulouse, France
- Lysolipids: sphingosine 1-phosphate and lysophosphatidic acid** — Susan Pyne Department of Physiology & Pharmacology, University of Strathclyde, Glasgow, UK
- Plasmalogens, PAF and other ether lipids** — Akhlaq A. Farooqui and Lloyd A. Horrocks, Department of Molecular and Cellular Biochemistry, The Ohio State University, Columbus, USA
- Ceramides** — Silvia Vaena de Avalos, Jeffrey A. Jones and Yusuf A. Hannun, Department of Biochemistry and Molecular Biology, Medical University of South Carolina, Charleston, South Carolina, USA
- Glycosphingolipids** — Thomas Kolter, Kekulé-Institut für Organische Chemie und Biochemie der Universität, Bonn, Germany
- Prostanoids** — Anna Nicolaou, School of Pharmacy, University of Bradford, UK
- Leukotrienes - lipoxins** — Stefano Fiore, University of Illinois at Chicago, Department of Medicine-Rheumatology, Chicago, Illinois, USA
- Endocannabinoids** — George Kokotos, Department of Chemistry, University of Athens, Greece
- Isoprostanes** — Samar Basu, Section of Geriatrics and Clinical Nutrition Research, Faculty of Medicine, Uppsala University, Uppsala, Sweden

For details of other lipid books, please follow the Oily Press link on our web site: [www.pjbarnes.co.uk](http://www.pjbarnes.co.uk)

