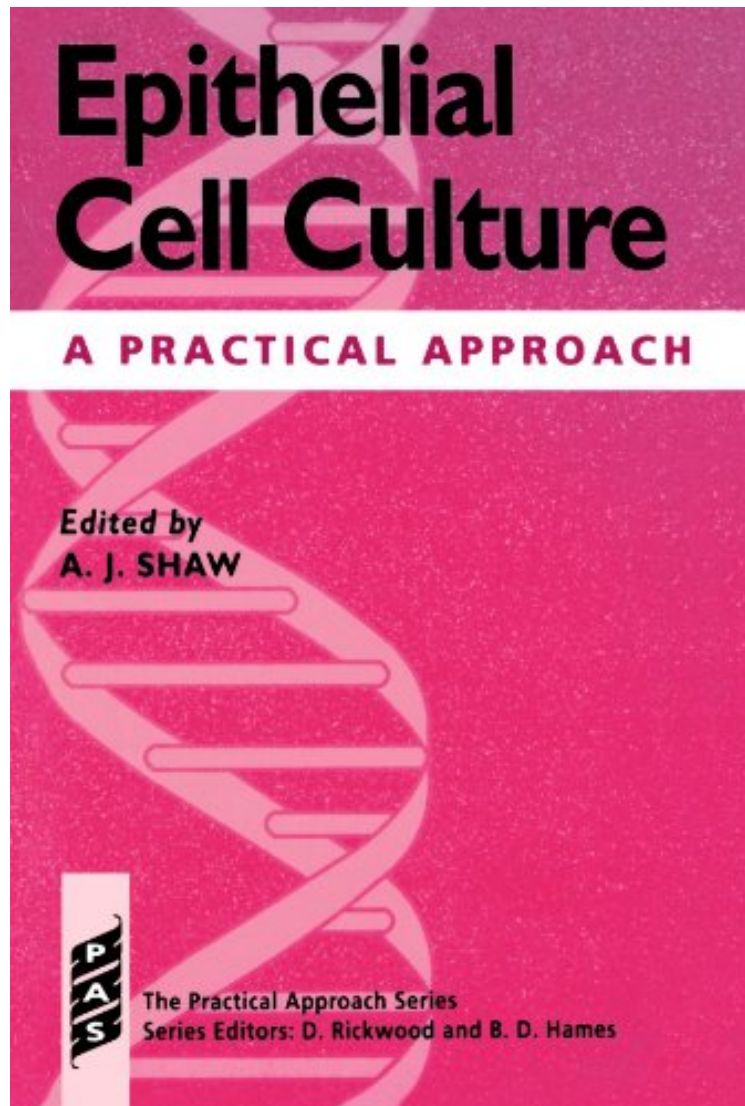


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Epithelial Cell Culture: A Practical Approach

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Cell culture has progressed to the point where cells can be grown into tissue-like structures in vitro, but these tissues often bear little resemblance to the same tissue in a living organism. This book describes methods of culturing epithelial cells so as to mimic accurately their behaviour in vivo, and the resulting model systems can be used in a

wide range of research areas: pharmaceuticals, pharmacology, toxicology, and cell biology. Written by an international panel of researchers, the book details the methods used to reconstruct epithelia in vitro, the procedures used to characterise these model systems, and the research applications for which these cultures are becoming so important.

`this handy volume comes at an opportune time ... It will be valuable to new PhD students working in this area, and also to project students.'M. Taylor, *Biochemical Education* 25(1) 1997

From the Back Cover Our understanding of the functions of epithelia, and their development and maintenance, has been rapidly advanced by the use of cell cultures which faithfully display the morphological, biochemical, and functional characteristics of these tissues. This book gives detailed step-by-step descriptions of the methods used to mimic epithelial and endothelial tissues in vitro, and the techniques used to characterize these cell culture models, together with hints and tips for success, troubleshooting guides, and key background information. *Epithelial Cell Culture: A Practical Approach* is a timely and comprehensive practical guide for all researchers who are studying, or intend to study, epithelia-related tissues using modern cell culture techniques. As such, this book will have a very wide appeal to cell biologists, developmental biologists, biochemists, pharmaceutical scientists, pharmacologists, and toxicologists.

About the Author Andrew J. Shaw is at University of London.