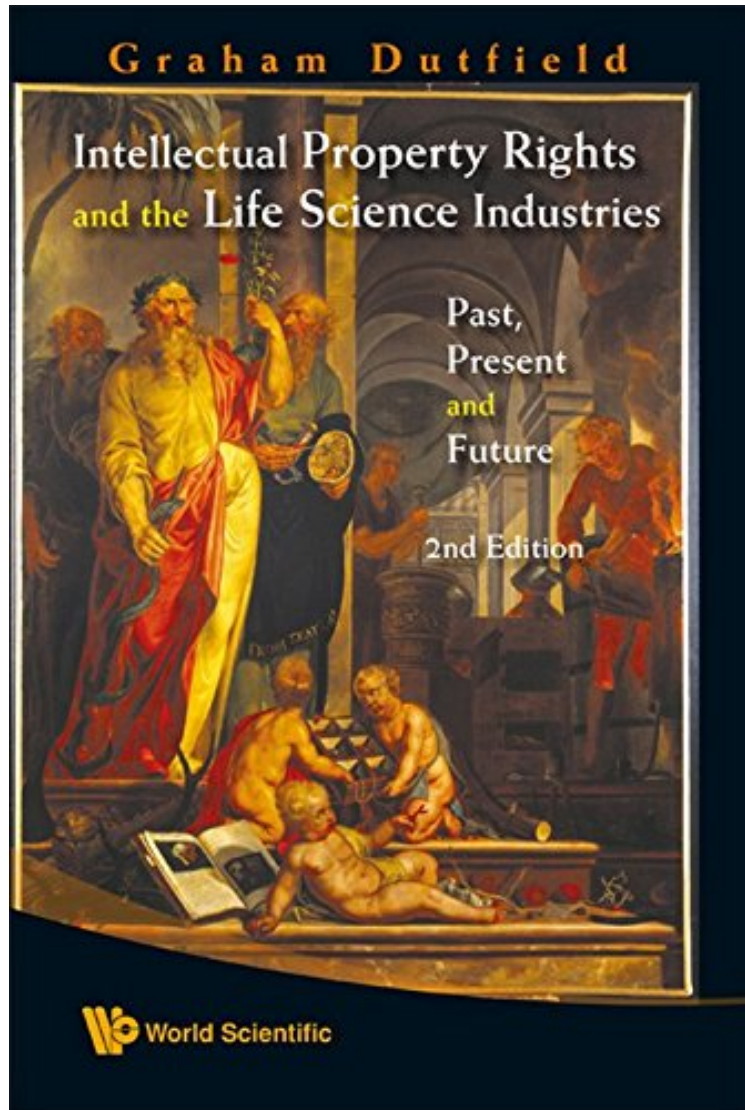


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# Intellectual Property Rights and the Life Science Industries: Past, Present and Future

Graham Dutfield

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**Graham Dutfield : Intellectual Property Rights and the Life Science Industries: Past, Present and Future** before purchasing it in order to gage whether or not it would be worth my time, and all praised Intellectual Property Rights and the Life Science Industries: Past, Present and Future:

This book is a highly readable and entertaining account of the co-evolution of the patent system and the life science industries since the mid-19th century. The pharmaceutical industries have their origins in advances in synthetic chemistry and in natural products research. Both approaches to drug discovery and business have shaped patent law, as have the lobbying activities of the firms involved and their supporters in the legal profession. In turn, patent law has impacted on the life science industries. Compared to the first edition, which told this story for the first time, the present edition focuses more on specific businesses, products and technologies, including Bayer, Pfizer, GlaxoSmithKline, aspirin, penicillin, monoclonal antibodies and polymerase chain reaction. Another difference is that this second edition also looks into the future, addressing new areas such as systems biology, stem cell research, and synthetic biology, which promises to enable scientists to invent life forms from scratch.

A wonderfully informative, insightful, and very readable chronicle. Refreshingly candid, witty, and balanced, I highly recommend it to anyone seeking a broad-based, global perspective on how we got to where we are in life sciences patenting and where we are likely to be headed in the rapidly approaching future. --Professor William Kingston, Trinity College Dublin  
No one studying or thinking about patent issues and the biological sciences can afford not to read Dutifield's ridiculously erudite and comprehensive look at the subject. --Professor Paul J Heald, University of Georgia  
This second edition is a complete rewrite, much influenced by his increased interest in what it means to invent in the life sciences and by how patent law is shaped by 'contestable assumptions' concerning the boundaries between the natural- and the human-made. The book is an extremely readable and scholarly analysis ... of key importance for those who want to understand the institutions that make the system tick. --David Wield, Director, ESRC Innogen Centre, University of Edinburgh  
A fascinating read. Dutifield is a great intellectual all-rounder who effortlessly combines history, natural science, law, ethics, political analysis and business studies. --Doris Schroeder, Director, Centre for Professional Ethics, University of Central Lancashire  
In this perceptive and politically literate study, Dutifield carefully explains how modern biotechnology and pharmaceutical companies have lobbied for a patent policy that may sometimes promote progress, but that also exacerbates economic inequalities and panders to the anxieties of the 'worried well'. --Donna Dickenson, Author of Body Shopping Emeritus Professor of Medical Ethics Humanities, University of London  
With sustained verve in this extended second edition, Dutifield is convincing in his claim that, whilst the role of patent systems in creating or directing the big breakthrough scientific or technical advances might remain problematic, the life science industries themselves were influenced strongly both by national patent regimes and by the international system globally. --Ian Inkster, Research Professor of International History, Nottingham Trent University  
With zest and enthusiasm Graham Dutifield has shown that a topic thought dry and specialist is neither. His broad-ranging approach brings out the importance and interest of intellectual property rights to a wide range of scholars. --Robert Bud, Author of Penicillin: Triumph and Tragedy, Science Museum, London  
A truly elegant, accessible and enthralling description of the development of the life science industry from the 19th century to the present. This fascinating book should be read by everyone interested in the intersection of science, law and politics. --Sigrid Sterckx, Bioethics Institute Ghent  
An exceptionally readable and interesting account of the simultaneous growth of intellectual property rights, biological sciences, and the life science industries. --Joshua Sarnoff, Washington College of Law, American University  
A lively and informative account. Dutifield addresses both sides of the equation -- the science and technology, as well as the legal framework associated with drug development. He also reflects on current trends in science and technology and the stark choices regarding intellectual property that concern us all, but especially the scientists who have the power to influence government policy and shape the future. --Viviane Quirke, Centre for Health, Medicine Society: Past Present Oxford Brookes University  
A wonderfully informative, insightful, and very readable chronicle. Refreshingly candid, witty, and balanced, I highly recommend it to anyone seeking a broad-based, global perspective on how we got to where we are in life sciences patenting and where we are likely to be headed in the rapidly approaching future. --Professor Margo A Bagley, University of Virginia School of Law