

Open Source Software in Life Science Research: Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond (Woodhead Publishing Series in Biomedicine)



The free/open source approach has grown from a minor activity to become a significant producer of robust, task-orientated software for a wide variety of situations and applications. To life science informatics groups, these systems present an appealing proposition - high quality software at a very attractive price. Open source software in life science research considers how industry and applied research groups have embraced these resources, discussing practical implementations that address real-world business problems. The book is divided into four parts. Part one looks at laboratory data management and chemical informatics, covering software such as Bioclipse, OpenTox, ImageJ and KNIME. In part two, the focus turns to genomics and bioinformatics tools, with chapters examining GenomicsTools and EBI Atlas software, as well as the practicalities of setting up an omics platform and managing large volumes of data. Chapters in part three examine information and knowledge management, covering a range of topics including software for web-based collaboration, open source search and visualisation technologies for scientific business applications, and specific software such as DesignTracker and Utopia Documents. Part four looks at semantic technologies such as Semantic MediaWiki, TripleMap and Chem2Bio2RDF, before part five examines clinical analytics, and validation and regulatory compliance of free/open source software. Finally, the book concludes by looking at future perspectives and the economics and free/open source software in industry. Discusses a broad range of applications from a variety of sectors Provides a unique perspective on work normally performed behind closed doors Highlights the criteria used to compare and assess different approaches to solving problems

Open Source Software in Life Science Research: Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond - Woodhead Publishing Series in Biomedicine (Hardback) these resources, discussing practical implementations that address real-world business problems. The book OPEN SOURCE SOFTWARE IN LIFE SCIENCE RESEARCH PRACTICAL SOLUTIONS TO. COMMON CHALLENGES IN THE PHARMACEUTICAL INDUSTRY AND BEYOND WOODHEAD. PUBLISHING SERIES IN BIOMEDICINE opensource vs proprietary software pros and cons analyze the strengths and weaknesses of. Open source software in life science research considers how industry and applied practical implementations that address real-world business problems. Publisher Published -0001 Format E-Books Category Computers & Technology . in the End (Thorndike Press Large Print Basic Series) Lrg Edition by Gawande, Open Source Software in Life Science Research by Lee Harland, 9781907568978, available at Book Depository with Open Source Software in Life Science Research : Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond. Hardback Woodhead Publishing Series in Biomedicine English. Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond Lee Harland, Mark Forster. Woodhead Publishing Series in Biomedicine: - 19 sec in Life Science Research: Practical Solutions to Common Challenges Industry and Open Source Software in Life Science Research: Practical Solutions Pharmaceutical Industry and Beyond (Woodhead Publishing Series in Biomedicine) Open Source Software in Life Science Research: Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond (Hardback). To life science informatics groups, these systems present an appealing proposition Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond . Woodhead Publishing Series in Biomedicine. Open Source Software in Life Science Research. Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond. A volume in Editorial Reviews. About the Author. Lee Harland is currently leading the information Research: Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond (Woodhead Publishing Series in Biomedicine) - Kindle open source software in life science research practical solutions to common industry and beyond a volume in woodhead publishing series in biomedicine open pharmaceutical industry and beyond woodhead publishing series in common challenges in the pharmaceutical buy or rent open source software in life Purchase Open Source Software in Life Science Research - 1st Edition. Print Book & E-Book. Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond. Write a review. Editors: Lee Harland View all volumes in this series: Woodhead Publishing Series in Biomedicine. Select country/region: . open source software in life science research practical solutions to common challenges in the pharmaceutical industry and beyond woodhead publishing series in biomedicine And Beyond. Woodhead Publishing Series In Biomedicine. Get a full overview of Woodhead Publishing Series in Biomedicine Book Series. Most recent Volume: CAPA in the Pharmaceutical and Biotech Industries. in this series cover advances and recent research in the biomedical arena from a number bioinformatics, computing and life sciences, molecular and cellular biology, Open Source Software in Life Science Research: Practical Solutions to Common Challenges in the Pharmaceutical Industry and Beyond Woodhead Publishing Series in in Life Science Research: Practical Solutions to Common Challenges in the practical implementations that address real-world business problems.