



Drug Repurposing and Repositioning: Workshop Summary

Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine

Download now

[Click here](#) if your download doesn't start automatically

Drug Repurposing and Repositioning: Workshop Summary

Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine

Drug Repurposing and Repositioning: Workshop Summary Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine

Drug development can be time-consuming and expensive. Recent estimates suggest that, on average, it takes 10 years and at least \$1 billion to bring a drug to market. Given the time and expense of developing drugs de novo, pharmaceutical companies have become increasingly interested in finding new uses for existing drugs - a process referred to as drug repurposing or repositioning.

Historically, drug repurposing has been largely an unintentional, serendipitous process that took place when a drug was found to have an offtarget effect or a previously unrecognized on-target effect that could be used for identifying a new indication. Perhaps the most recognizable example of such a successful repositioning effort is sildenafil. Originally developed as an anti-hypertensive, sildenafil, marketed as Viagra and under other trade names, has been repurposed for the treatment of erectile dysfunction and pulmonary arterial hypertension. Viagra generated more than \$2 billion worldwide in 2012 and has recently been studied for the treatment of heart failure.

Given the widespread interest in drug repurposing, the Roundtable on Translating Genomic-Based Research for Health of the Institute of Medicine hosted a workshop on June 24, 2013, in Washington, DC, to assess the current landscape of drug repurposing activities in industry, academia, and government. Stakeholders, including government officials, pharmaceutical company representatives, academic researchers, regulators, funders, and patients, were invited to present their perspectives and to participate in workshop discussions. *Drug Repurposing and Repositioning* is the summary of that workshop. This report examines enabling tools and technology for drug repurposing; evaluates the business models and economic incentives for pursuing a repurposing approach; and discusses how genomic and genetic research could be positioned to better enable a drug repurposing paradigm.

 [Download Drug Repurposing and Repositioning: Workshop Summa ...pdf](#)

 [Read Online Drug Repurposing and Repositioning: Workshop Sum ...pdf](#)

Download and Read Free Online Drug Repurposing and Repositioning: Workshop Summary Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine

From reader reviews:

Eunice Bourque:

The book Drug Repurposing and Repositioning: Workshop Summary can give more knowledge and also the precise product information about everything you want. So just why must we leave the good thing like a book Drug Repurposing and Repositioning: Workshop Summary? Several of you have a different opinion about e-book. But one aim that book can give many facts for us. It is absolutely suitable. Right now, try to closer with the book. Knowledge or info that you take for that, you can give for each other; you could share all of these. Book Drug Repurposing and Repositioning: Workshop Summary has simple shape however, you know: it has great and big function for you. You can appear the enormous world by wide open and read a e-book. So it is very wonderful.

William Petterson:

Nowadays reading books are more than want or need but also get a life style. This reading behavior give you lot of advantages. The huge benefits you got of course the knowledge your information inside the book this improve your knowledge and information. The data you get based on what kind of publication you read, if you want send more knowledge just go with knowledge books but if you want sense happy read one using theme for entertaining for instance comic or novel. Often the Drug Repurposing and Repositioning: Workshop Summary is kind of book which is giving the reader capricious experience.

John Whetstone:

The actual book Drug Repurposing and Repositioning: Workshop Summary has a lot of knowledge on it. So when you make sure to read this book you can get a lot of profit. The book was authored by the very famous author. Tom makes some research previous to write this book. This specific book very easy to read you can get the point easily after reading this article book.

Heather Bly:

Do you like reading a reserve? Confuse to looking for your selected book? Or your book ended up being rare? Why so many issue for the book? But virtually any people feel that they enjoy intended for reading. Some people likes looking at, not only science book and also novel and Drug Repurposing and Repositioning: Workshop Summary as well as others sources were given understanding for you. After you know how the great a book, you feel wish to read more and more. Science book was created for teacher or students especially. Those guides are helping them to bring their knowledge. In other case, beside science book, any other book likes Drug Repurposing and Repositioning: Workshop Summary to make your spare time more colorful. Many types of book like this one.

**Download and Read Online Drug Repurposing and Repositioning:
Workshop Summary Sarah H. Beachy, Samuel G. Johnson, Steve
Olson, Adam C. Berger, Roundtable on Translating Genomic-Based
Research for Health, Board on Health Sciences Policy, Institute of
Medicine #7BD9M6U83Y1**

Read Drug Repurposing and Repositioning: Workshop Summary by Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine for online ebook

Drug Repurposing and Repositioning: Workshop Summary by Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Drug Repurposing and Repositioning: Workshop Summary by Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine books to read online.

Online Drug Repurposing and Repositioning: Workshop Summary by Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine ebook PDF download

Drug Repurposing and Repositioning: Workshop Summary by Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine Doc

Drug Repurposing and Repositioning: Workshop Summary by Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine Mobipocket

Drug Repurposing and Repositioning: Workshop Summary by Sarah H. Beachy, Samuel G. Johnson, Steve Olson, Adam C. Berger, Roundtable on Translating Genomic-Based Research for Health, Board on Health Sciences Policy, Institute of Medicine EPub