



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 Summary ...pdf](#)

 [Read Online Drug Repurposing and Repositioning: Workshop Summary ...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

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:

Phyllis Kelly:

Do you have something that you enjoy such as book? The e-book lovers usually prefer to opt for book like comic, brief story and the biggest you are novel. Now, why not seeking Drug Repurposing and Repositioning: Workshop Summary that give your enjoyment preference will be satisfied by simply reading this book. Reading routine all over the world can be said as the method for people to know world much better then how they react toward the world. It can't be explained constantly that reading habit only for the geeky individual but for all of you who wants to always be success person. So , for all you who want to start looking at as your good habit, you are able to pick Drug Repurposing and Repositioning: Workshop Summary become your personal starter.

Nelson Wyatt:

This Drug Repurposing and Repositioning: Workshop Summary is great e-book for you because the content which can be full of information for you who have always deal with world and possess to make decision every minute. This book reveal it facts accurately using great manage word or we can say no rambling sentences in it. So if you are read that hurriedly you can have whole facts in it. Doesn't mean it only provides you with straight forward sentences but difficult core information with splendid delivering sentences. Having Drug Repurposing and Repositioning: Workshop Summary in your hand like having the world in your arm, info in it is not ridiculous a single. We can say that no e-book that offer you world throughout ten or fifteen small right but this e-book already do that. So , this really is good reading book. Hey there Mr. and Mrs. active do you still doubt that will?

Susan Crowell:

As a pupil exactly feel bored to help reading. If their teacher inquired them to go to the library as well as to make summary for some guide, they are complained. Just very little students that has reading's heart or real their hobby. They just do what the educator want, like asked to go to the library. They go to there but nothing reading significantly. Any students feel that studying is not important, boring and can't see colorful photographs on there. Yeah, it is to be complicated. Book is very important to suit your needs. As we know that on this time, many ways to get whatever we really wish for. Likewise word says, ways to reach Chinese's country. So , this Drug Repurposing and Repositioning: Workshop Summary can make you really feel more interested to read.

Patricia Steele:

Book is one of source of understanding. We can add our expertise from it. Not only for students but native or citizen require book to know the update information of year to year. As we know those guides have many advantages. Beside all of us add our knowledge, may also bring us to around the world. Through the book

Drug Repurposing and Repositioning: Workshop Summary we can have more advantage. Don't you to be creative people? For being creative person must like to read a book. Just choose the best book that suited with your aim. Don't end up being doubt to change your life with this book Drug Repurposing and Repositioning: Workshop Summary. You can more inviting than now.

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 #XGV48E63O5B

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 d0wnl0ad, 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