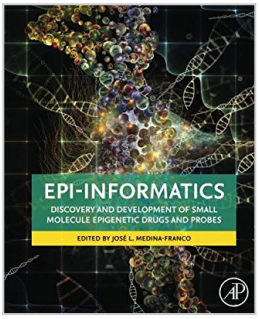

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes

From Medina Franco Jose

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes features multidisciplinary strategies with strong computational approaches that have led to the successful discovery and/or optimization of compounds that act as modulators of epigenetic targets. This book is intended for all those using or wanting to learn more about computational methodologies in epigenetic drug discovery, including molecular modelers, informaticians, pharmaceutical scientists, and medicinal chemists.

With a better understanding of different molecular modeling and cheminformatic approaches, readers can incorporate these techniques into their own drug discovery projects that may involve chemical synthesis and medium- or high-throughput screening. In addition, this book highlights the significance of epigenetic targets to the public health for molecular modelers and chemoinformatians. The goal of this reference is to stimulate ongoing multidisciplinary research and to further improve current computational methodologies and workflows in order to accelerate the discovery and development of epi-drugs and epi-probes.

- Focuses on the discovery of epi-drugs as candidates to be used in therapy including combined therapies
- Describes new computational methodologies and screening assays utilizing recent and emerging novel structural data
- Highlights the discovery, development and optimization of epi-probes, which are molecular probes that elucidate epigenetic mechanisms
- Includes important topics such as computational-guided optimization of epi-hits, virtual screening to identify novel compounds for epigenetic targets, development and mining of epigenetic molecular databases, SAR modeling of screening data and much more

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes

From Medina Franco Jose

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes features multidisciplinary strategies with strong computational approaches that have led to the successful discovery and/or optimization of compounds that act as modulators of epigenetic targets. This book is intended for all those using or wanting to learn more about computational methodologies in epigenetic drug discovery, including molecular modelers, informaticians, pharmaceutical scientists, and medicinal chemists.

With a better understanding of different molecular modeling and cheminformatic approaches, readers can incorporate these techniques into their own drug discovery projects that may involve chemical synthesis and medium- or high-throughput screening. In addition, this book highlights the significance of epigenetic targets to the public health for molecular modelers and chemoinformatians. The goal of this reference is to stimulate ongoing multidisciplinary research and to further improve current computational methodologies and workflows in order to accelerate the discovery and development of epi-drugs and epi-probes.

- Focuses on the discovery of epi-drugs as candidates to be used in therapy including combined therapies
- Describes new computational methodologies and screening assays utilizing recent and emerging novel structural data
- Highlights the discovery, development and optimization of epi-probes, which are molecular probes that elucidate epigenetic mechanisms
- Includes important topics such as computational-guided optimization of epi-hits, virtual screening to identify novel compounds for epigenetic targets, development and mining of epigenetic molecular databases, SAR modeling of screening data and much more

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose Bibliography

- Rank: #7783889 in Books
- Brand: Medina Franco Jose
- Published on: 2016-04-20
- Released on: 2016-04-06
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.05" w x 7.50" l, 2.00 pounds
- Binding: Paperback
- 440 pages

Editorial Review

About the Author
Dr. José Medina-Franco received a Bachelor of Science degree in chemistry from the National Autonomous University of Mexico (UNAM) in 1998. That same year, he joined Procter & Gamble in Mexico City, working in the research and development department. He received a Master of Science degree in 2002 and a Ph.D. degree in 2005, both from the UNAM. In 2005, he joined the University of Arizona as a postdoctoral fellow. Dr. Medina-Franco was named Assistant Member at the Torrey Pines Institute for Molecular Studies in Florida in August 2007. Since then, he has conducted research and academic activities at the Institute of Chemistry, UNAM and Mayo Clinic in Scottsdale. In 2014, he was named Full Time Research Professor of the Pharmacy Department, UNAM where he leads a computational group focused on the discovery and development of epi-drugs. He also serves as an Adjunct Professor at the Florida Atlantic University. Dr. Medina-Franco has more than 8 years of experience working on molecular modeling of DNMT inhibitors. He has lead one of the first research groups applying computational tools for drug discovery of epi-hits. His research group has published several research papers, reviews and book chapters focused on the development of DNMT inhibitors using computational methods. One of the major contributions of his group has been the identification of a distinct DNMT inhibitor with a novel molecular scaffold. The hit compound has been used as a starting point for optimization programs and has served as reference for virtual screening campaigns. Dr. Medina-Franco’s group has also initiated a novel computer-guided drug repurposing project.

Users Review

From reader reviews:

Ian Ashlock:

Now a day people who Living in the era where everything reachable by connect to the internet and the resources inside can be true or not require people to be aware of each details they get. How a lot more to be smart in having any information nowadays? Of course the solution is reading a book. Studying a book can help persons out of this uncertainty Information specially this Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes book because this book offers you rich details and knowledge. Of course the information in this book hundred percent guarantees there is no doubt in it everbody knows.

David Shetler:

Hey guys, do you would like to finds a new book to read? May be the book with the subject Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes suitable to you? The particular book was written by renowned writer in this era. The book untitled Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probesis the one of several books this everyone read now. That book was inspired a number of people in the world. When you read this book you will enter the new age that you ever know before. The author explained their plan in the simple way, consequently all of people can easily to be aware of the core of this e-book. This book will give you a lots of information about this world now. To help you see the represented of the world on this book.

William Watts:

Playing with family in a very park, coming to see the water world or hanging out with close friends is thing that usually you will have done when you have spare time, and then why you don't try matter that really opposite from that. 1 activity that make you not experiencing tired but still relaxing, trilling like on roller coaster you are ride on and with addition of knowledge. Even you love Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes, you are able to enjoy both. It is good combination right, you still desire to miss it? What kind of hang type is it? Oh come on its mind hangout people. What? Still don't have it, oh come on its referred to as reading friends.

Maureen Daniels:

As we know that book is significant thing to add our expertise for everything. By a reserve we can know everything we really wish for. A book is a group of written, printed, illustrated or perhaps blank sheet. Every year seemed to be exactly added. This reserve Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes was filled with regards to science. Spend your spare time to add your knowledge about your science competence. Some people has various feel when they reading some sort of book. If you know how big good thing about a book, you can really feel enjoy to read a book. In the modern era like at this point, many ways to get book you wanted.

Read Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose for online ebook

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose 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 Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose books to read online.

Online Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose ebook PDF download

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose Doc

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose Mobipocket

Epi-Informatics: Discovery and Development of Small Molecule Epigenetic Drugs and Probes From Medina Franco Jose EPub