



Synthetic Biology - A Primer (Revised Edition) (Paperback)

By -

Imperial College Press, United Kingdom, 2015. Paperback. Condition: New. Revised edition. Language: English. Brand new Book. Synthetic Biology - A Primer (Revised Edition) presents an updated overview of the field of synthetic biology and the foundational concepts on which it is built. This revised edition includes new literature references, working and updated URL links, plus some new figures and text where progress in the field has been made. The book introduces readers to fundamental concepts in molecular biology and engineering and then explores the two major themes for synthetic biology, namely 'bottom-up' and 'top-down' engineering approaches. 'Top-down' engineering uses a conceptual framework of systematic design and engineering principles focused around the Design-Build-Test cycle and mathematical modelling. The 'bottom-up' approach involves the design and building of synthetic protocells using basic chemical and biochemical building blocks from scratch exploring the fundamental basis of living systems. Examples of cutting-edge applications designed using synthetic biology principles are presented, including: The book also describes the Internationally Genetically Engineered Machine (iGEM) competition, which brings together students and young researchers from around the world to carry out summer projects in synthetic biology. Finally, the primer includes a chapter on the ethical, legal and societal issues surrounding synthetic biology, illustrating...



READ ONLINE
[7.57 MB]

Reviews

A top quality publication along with the font used was intriguing to read. I really could comprehend everything using this written e book. Its been designed in an remarkably straightforward way and it is only after i finished reading through this publication by which basically altered me, modify the way i believe.

-- Cathrine Larkin Sr.

Very useful to all of group of people. I actually have read through and so i am certain that i will planning to study yet again once again down the road. I am just very easily can get a satisfaction of looking at a created book.

-- Mark Bernier

See Also



A Succinct Account of a Machine, Newly Invented for the Cure of PR]Ternatural Curvatures of the Spine: Together with a Detail of Several Cases, in Which This Machine Has Been Tried with Great

Gale Ecco, Print Editions, United States, 2010. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The 18th century was a wealth of knowledge, exploration and rapidly growing technology and expanding record-keeping made possible by advances in the...



Girls I Want to Date: A Blank Lined Writing Notebook with a Fake Book Cover to Carry in Public (Paperback)

Independently Published, United States, 2019. Paperback. Condition: New. Language: English. Brand new Book. Would you like get some attention? Don't mind people gazing at you in public places such as the airplane, train and bus? Wait till they see you holding this...



An Historical Account of a New Method for Extracting the Foul Air Out of Ships, C. with the Description and Draught of the Machines, by Which It Is Performed: And the Relation Given

Gale Ecco, Print Editions, United States, 2010. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The 18th century was a wealth of knowledge, exploration and rapidly growing technology and expanding record-keeping made possible by advances in the...



An Historical Account of a New Method for Extracting the Foul Air Out of Ships, With the Description and Draught of the Machines, by Which It Is Performed: In Two Letters to a

Gale Ecco, Print Editions, United States, 2010. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The 18th century was a wealth of knowledge, exploration and rapidly growing technology and expanding record-keeping made possible by advances in the...



Jesus: Seeing Him More Clearly (Paperback)

ZONDERVAN, United States, 2005. Paperback. Condition: New. Revised edition. Language: English. Brand new Book. Jesus is someone you need to know.Teacher. Physician. Servant. Shepherd. King. Jesus filled each of these roles in His walk on earth-revealing in them all a richly accessible...



History of Medicine Study of Indian, Arabian, Egyptian, Greek Medicine Cumston

1999. Hardcover. Condition: New. 422 The Science of Medicine has come a long way through the ages. This unique book covers the journey of the evolution and development of the Science of Medicine since Egyptian, Greek and Roman eras to Islamic and...