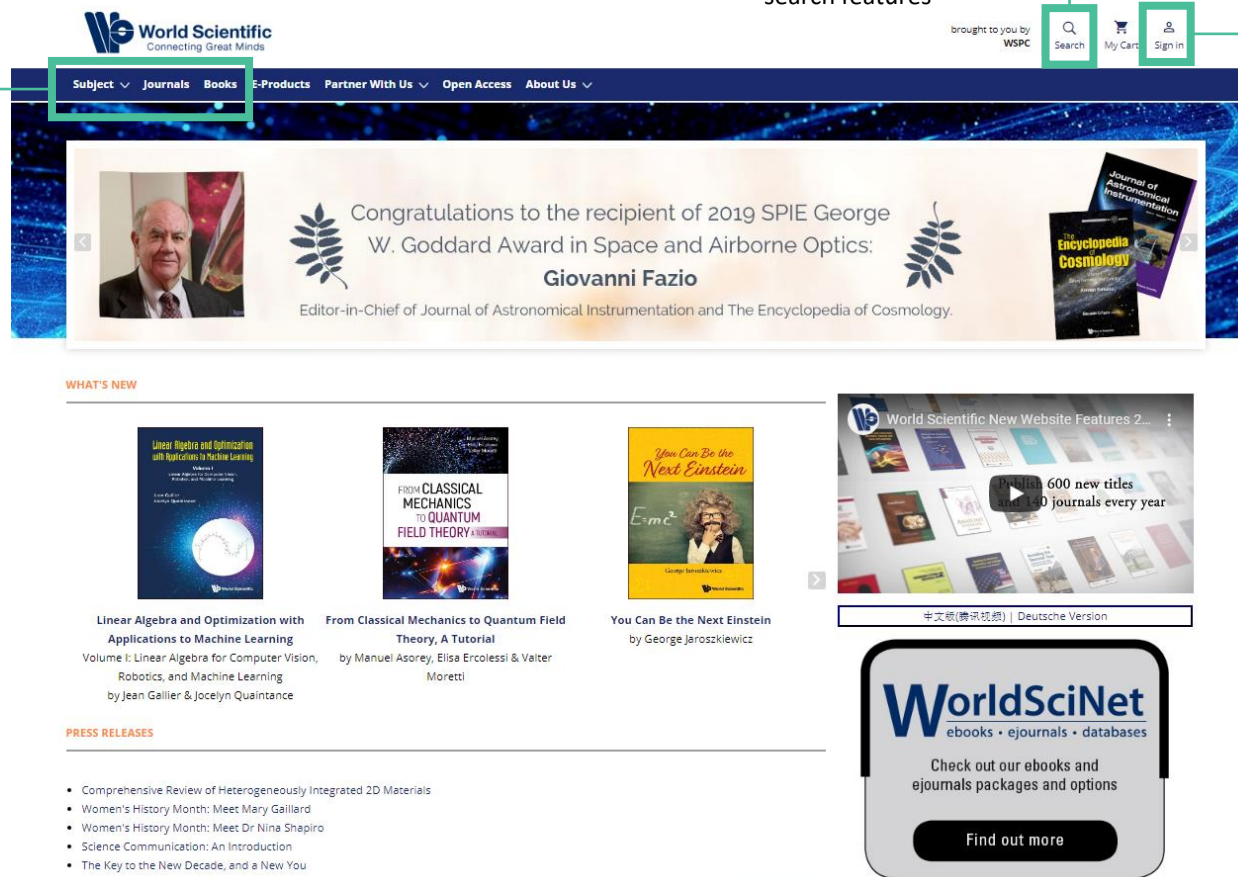


User Guide

User Guide Contents

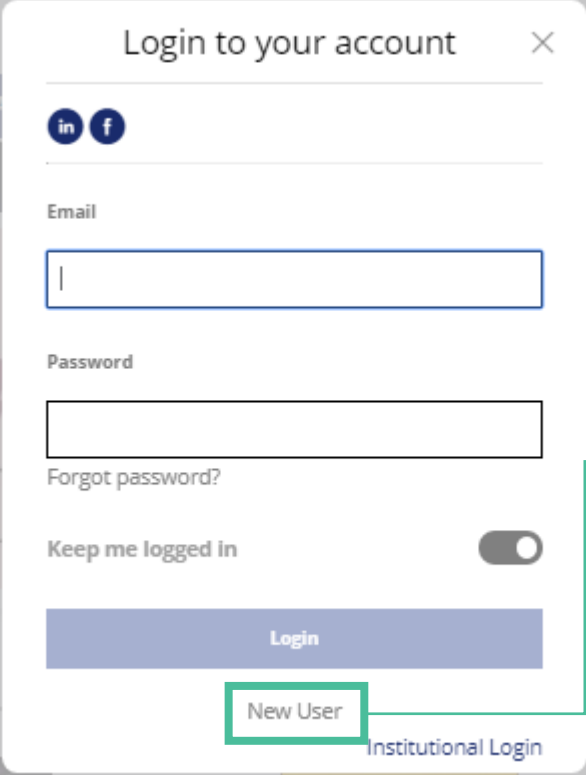
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- Logging in/ Signing up for access
- Search features
- Book/ Journal Content features
- Accessing E-reader
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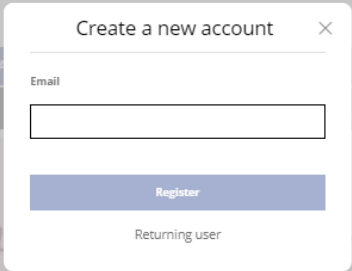
Signing up/ Logging in

You can log in as an individual (through LinkedIn, Facebook or Email) or through an organization



A white dialog box titled "Login to your account" with a close button (X) in the top right corner. It features social login options for LinkedIn and Facebook, followed by input fields for Email and Password. Below the password field are links for "Forgot password?" and a "Keep me logged in" toggle switch. At the bottom, there is a blue "Login" button and a "New User" button highlighted with a green border. A green arrow points from the "New User" button to the right.

New users can sign up with the "New User" option at the bottom



A white dialog box titled "Create a new account" with a close button (X) in the top right corner. It features an input field for Email and a blue "Register" button. Below the register button is a link for "Returning user".

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Search bar has predictive features to ease search

Advanced Search

The screenshot shows the 'Advanced Search' interface. At the top, there are three tabs: 'Advanced Search', 'Search History', and 'Saved Searches'. The 'Saved Searches' tab is highlighted with a green box, and an arrow points to it with the text 'Only available for user who signed in'. Below the tabs, there is a search bar with a dropdown menu set to 'Anywhere'. A green box highlights this dropdown, and an arrow points to a detailed list of search options: 'Anywhere', 'Anywhere', 'Title', 'Author', 'Keywords', 'Abstract', and 'Affiliation'. To the right of the search bar is a text input field labeled 'Enter Search term'. Below this is another input field labeled 'Published in' with the example text 'e.g. Journal of Theoretical Biology'. Further down, there is a 'Publication Date' section with three radio buttons: 'All dates' (selected), 'Last' (with a 'Select' dropdown), and 'Custom range' (with four date pickers for Month and Year). At the bottom left, there is an 'Advanced' dropdown menu. On the right side, there is a 'SEARCH TIPS' section with a green box around its title. An arrow points from this section to the text 'Tips provided to ease searching for specific books'. A 'Search' button is located at the bottom right of the search area.

Advanced Search Search History **Saved Searches**

Anywhere Enter Search term

Published in e.g. Journal of Theoretical Biology

Publication Date

☒ All dates

☐ Last Select

☐ Custom range Month Year Month Year

Advanced

SEARCH TIPS

Boolean searches

You can use the Boolean Operators AND, OR and NOT within search fields. By default an AND relationship is assumed between search terms unless another operator is specified.

Searching for authors

To search for multiple authors, separate each author name with either AND or OR. Using AND will search for content that has been co-authored by the authors. Using OR will search for content that has been authored by either of the authors.

Searching for phrases

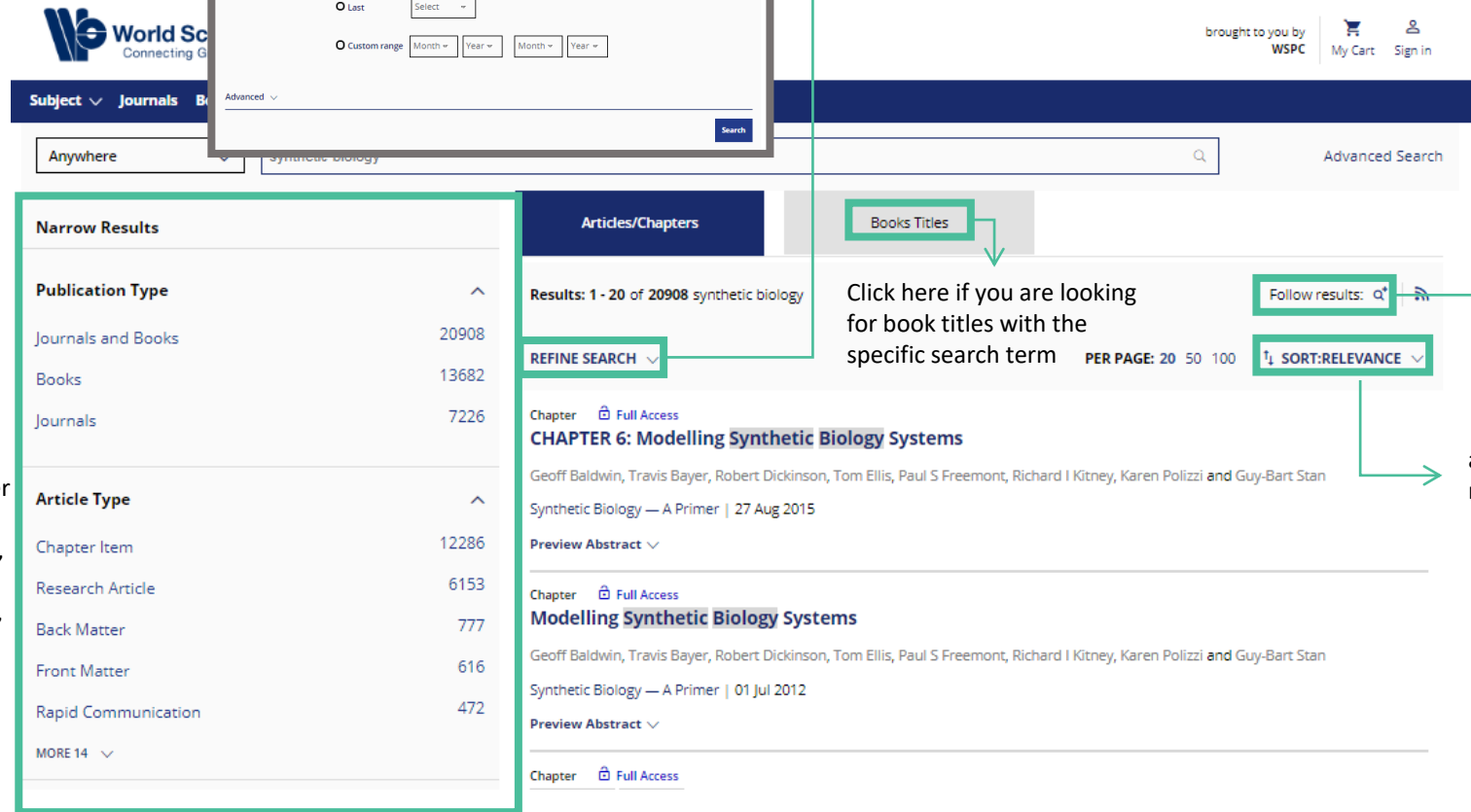
Enclose your search term with quotation marks to search for an exact match of that phrase. Without quotation marks, articles including all of the search terms somewhere in the article will be listed. For example searching for "civil war" will find articles containing that exact phrase.

Wildcards

Use a question mark (?) in a search term to represent any one character and use an asterisk (*) to represent zero or more characters. For example, searching for Europe* will find results containing Europe and European. Wildcards cannot be used at the start of a search term or when searching for phrases in quotes.

DOIs

Search for DOIs using the format 10.3366/code.2016.0000 (do not add http://dx.doi.org/).



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A Lab Manual

https://doi.org/10.1142/9061 | June 2014
Pages: 204
By (author): Josefine Liljeruhm (Uppsala University, Sweden), Erik Gullberg (Uppsala University, Sweden) and Anthony C Forster (Uppsala University, Sweden)

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Synthetic Biology: A Lab Manual is the first manual for laboratory work in the new and rapidly expanding field of synthetic biology. Aimed at non-specialists, it details protocols central to synthetic biology in both education and research. In addition, it provides all the information that teachers and students from high schools and tertiary institutions need for a colorful lab course in bacterial synthetic biology using chromoproteins and designer antisense RNAs. As a bonus, practical material is provided for students of the annual International Genetically Engineered Machine (iGEM) competition. The manual is based upon a highly successful course at Sweden's Uppsala University and is coauthored by one of the pioneers of synthetic biology and two bioengineering postgraduate students.

An inspiring foreword is written by another pioneer in the field, Harvard's George Church:
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Readership: Students and researchers in biotechnology, cell/molecular biology and genetics.

We recommend

Physics of Emergence and Organization
Ignazio Licata et al., World Scientific, 2008

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Kok Khoo Phua et al., World Scientific, 2016

Mathematical Analysis for Engineers
Bernard Dacorogna et al., World Scientific, 2012

Modern Applications of Automata Theory
Deepak D'Souza et al., World Scientific, 2012

All It Takes Is Vision
IEEE Pulse, 2016

All It Takes Is Vision: Synthetic Biology Opens the Doors to Vast Possibilities:
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IEEE Pulse

Synthetic Biology
Ting Xia, IEEE PULSE

Genomics and synthetic biology of traditional Chinese medicine
CHEN Shi lin;ZHU Xiao-xuan;LI Chun-fang;WANG Yong;YAO Hui;SUN Chao;SONG Jing-yuan, F5000, 2012

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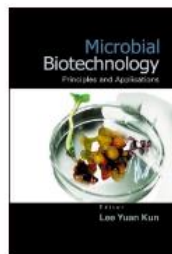
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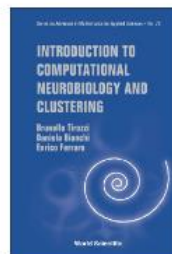
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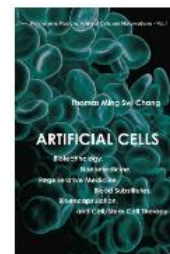
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The screenshot shows a document page with a header bar containing a small image and the name 'Anthony L. Forster'. Below the header is a navigation bar with tabs: 'Description', 'Chapters' (selected), 'Reviews', 'Authors', and 'Supplementary'. A red box highlights the text 'You have access to this ebook'. Below this, a green box highlights 'Free Access'. The main content area shows 'FRONT MATTER' with 'Pages: i-xxi' and a DOI link. A 'Preview Abstract' button is visible. On the right, 'Abstract' and 'PDF' links are shown. Below a horizontal line, another 'Free Access' label is present, followed by '1: Introduction' with 'Pages: 1-6' and a DOI link. Another 'Preview Abstract' button is shown. On the right, 'Abstract' and 'PDF' links are shown. Annotations include a green arrow pointing from the text 'Click here to view abstract for individual chapter' to the 'Preview Abstract' button, and another green arrow pointing from the text 'Click here to access the e-reader for the document' to the 'PDF' link.

Anthony L. Forster

Description Chapters Reviews Authors Supplementary

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Pages: 1-6

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The screenshot displays the E-reader interface. At the top, a dark navigation bar contains icons for 'View in website', 'PDF', 'Page 1 / 6', and various document controls. Below this, a sidebar on the left shows the book cover for 'SYNTHETIC BIOLOGY: A Lab Manual' by Josefine Liljeruhm, Erik Gullberg, and Anthony C. Forster. The main content area shows the title '1 Introduction' and the start of the text 'WHAT IS SYNTHETIC BIOLOGY, EXACTLY?'. A right sidebar is open, showing options like 'Print document', 'Offline reading', and 'Save for offline reading * 780.2 KB'. A green box highlights the 'Save for offline reading' option. Arrows point from text labels to specific UI elements: a left arrow icon, a document icon, a search icon, and a download icon.

BOOK
Synthetic Biology
Josefine Liljeruhm, Erik Gullberg and Anthony C Forster

<https://doi.org/10.1142/9061>

ISBN: 9789814579544

eISBN: 9789814579551

Pages: 204

CHAPTER
1
Introduction

https://doi.org/10.1142/9789814579551_0001

1

Introduction

WHAT IS SYNTHETIC BIOLOGY, EXACTLY?

You may know it when you see it, but how would you define it? Synthetic biology is undoubtedly a new, rapidly growing field that is captivating students and researchers alike. Yet, like life itself, synthetic biology is notoriously hard to define. Though the term “synthetic biology” was coined a century ago, its use only came into vogue one decade ago. This “renaissance” cannot be attributed to any single breakthrough or publication, so why did it occur? How does synthetic biology differ from, for example, the older field of biotechnology that encompasses DNA cloning, the polymerase chain reaction (PCR), monoclonal antibodies and protein overexpression? Engineers may emphasize “the development of foundational technologies that make the design and

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The screenshot shows the E-reader interface for the book 'Synthetic Biology' by Josefine Liljeruhm, Erik Gullberg, and Anthony C. Forster. The top navigation bar includes 'INFO', 'OUTLINE', 'MATERIALS', 'NOTES', and 'LINKS'. The 'MATERIALS' tab is highlighted. Below the navigation bar, the book cover is displayed. The main content area shows the book title, authors, ISBN (9789814579544), eISBN (9789814579551), and page count (204). The chapter list shows 'CHAPTER 1 Introduction' with a DOI link. The 'ABSTRACT' section lists the following sections: 'WHAT IS SYNTHETIC BIOLOGY, EXACTLY?', 'THE iGEM OUTBREAK', and 'A SYNTHETIC BIOLOGY LAB MANUAL'. A 'CITE' button is visible in the bottom right corner of the book cover area.

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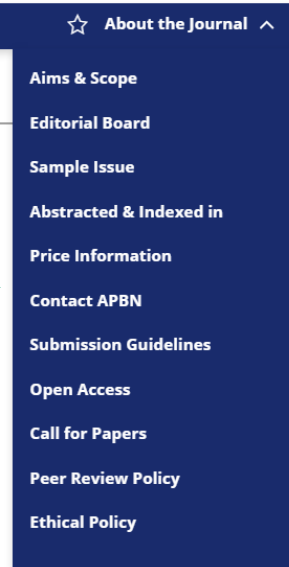
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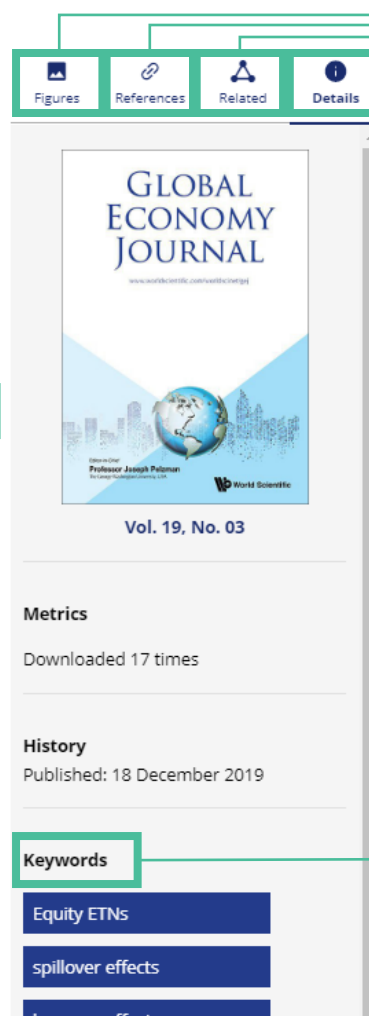
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THE SPILLOVER AND LEVERAGE EFFECTS OF EQUITY EXCHANGE-TRADED NOTES (ETNs)

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