

IOS Press presents

In Silico Biology

Journal of Biological Systems Modeling and Simulation

IOS Press 2013

Announcing the re-launch of *In Silico Biology*



Computer-based modeling and simulation of biological systems has over the past decade evolved into a far-reaching discipline contributing to significant innovation in fast-paced fields of Systems Biology, Synthetic Biology and Quantitative Biology.

The newly appointed Editors and IOS Press are proud to announce that the journal *In Silico Biology* is now devoted exclusively to the rapid publication of biological systems modeling and simulation research.



In Silico Biology

Journal of Biological Systems Modeling and Simulation

www.iospress.nl/journal/in-silico-biology

Editor-in-Chief

Mads Kaern
University of Ottawa, Canada
Email: isb@iospress.com

Former Editors-in-Chief

Edgar Wingender, Germany
Jack Leunissen †, The Netherlands

Advisory Board

Dennis Bray
University of Cambridge, UK

Roland Eils
University of Heidelberg, Germany

Hiroaki Kitano
The Systems Biology Institute,
Japan

Michael Mackey
McGill University, Canada

John Tyson
Virginia Tech, USA

Hans Westerhoff
University of Manchester, UK

Editorial Board

Ilya Akberdin, Institute of Cytology and Genetics, Russia
Gabor Balazsi, University of Texas, Houston, USA
Diego di Bernardo, Telethon Institute for Genetics and Medicine, Italy
Daniel Coombs, University of British Columbia, Canada
Eldon Emberly, Simon Fraser University, Canada
Brian Ingalls, University of Waterloo, Canada
Johannes Jaeger, Pompeu Fabra University, Spain
Yves Lussier, University of Chicago, USA
Ion Mandoiu, University of Connecticut, USA
William Mather, Virginia Tech, USA
Nicolas Mermod, University of Lausanne, Switzerland
David Gómez Míguez, Universidad Autónoma de Madrid, Spain
Theodore Perkins, Ottawa Hospital Research Institute, Canada
Andre Ribeiro, Tampere University of Technology, Finland
Moises Santillan, Monterrey University, Mexico
Narayanaswamy Srinivasan, Indian Institute of Science, India
Peter Swain, University of Edinburgh, Scotland, UK
Jose Vilar, University of the Basque Country, Spain
Xiao Wang, Arizona State University, USA

IOS Press 2013

Aims & Scope

In Silico Biology is a scientific research journal aiming to advance the use of computational models and simulations in studies of complex biological phenomena. We publish peer-reviewed leading-edge biological, biomedical and biotechnological research in which computer-based (i.e., "in silico") modeling and analysis tools are developed or applied to generate new knowledge about biological systems dynamics, design and control.

Studies published in *In Silico Biology* generally use mechanistic models to gain quantitative insights into molecular regulatory networks, cell physiology, tissue dynamics and organ systems. Specific areas of interest include signal transduction and information processing, gene expression and gene regulatory networks, metabolism, differentiation and morphogenesis, among others. We also publish foundational research in which novel algorithms are developed to facilitate modeling and simulations. Such research must demonstrate application to a concrete biological problem.

In Silico Biology frequently publishes special issues on seminal topics and trends. Special issues are handled by Special Issue Editors appointed by the Editor-in-Chief. Proposals for special issues should be sent to the Editor-in-Chief.

The term “in silico” is a pendant to “in vivo” (in the living system) and “in vitro” (in the test tube) biological experiments, and implies the gain of insights by computer-based simulations and model analyses.

The journal *In Silico Biology* was founded in 1998 as a purely online journal for computation-based descriptions of biological systems in general. IOS Press became the publisher of the printed journal shortly after.

A revision in 2011 of priorities and directions led to the establishment of an independent Advisory Board who helps define the current Aims and Scope and publishing policies. *In Silico Biology* is now a journal dedicated exclusively to biological systems modeling and simulations.

The revision processes also saw significant changes to the Editorial Board, and IOS becoming the sole publisher responsible for both the online and print version of the journal. The previous online publisher, Bioinformation Systems, maintains a website containing studies published between 1998 and 2010 for archival purposes.

Abstracting & Indexing

Academic Source Complete, Biological Abstracts, BIOSIS Previews, CAB Abstracts, Chemical Abstracts Service, Chemical Abstracts Service (CAS), EBSCO database, Elsevier BIOBASE, Embase, Inspec IET, MEDLINE, PASCAL, Pubmed, SciVerse Scopus.

Submit Your Article

Authors are requested to submit their manuscript electronically to isb_submissions@iospress.com.

Detailed Instructions to Authors are located at www.iospress.nl/journal/in-silico-biology/?tab=submission-of-manuscripts

- > Submission of Manuscripts
- > Preparation of Manuscripts
- > Copyright
- > Proofs & Purchases

Open Access Option

In Silico Biology is published online and in print. Authors may choose to make their article open access. For a fee of US\$1250 / €900 the article will be openly available online. The journal operates with rapid manuscript processing times.

Subscription Information 2013

ISSN 1386-6338 (print)
ISSN 1434-3207 (online)

Volume 12 (6 issues)
Institutional subscription
(online only): US\$645 / €470
Institutional subscription
(print only): US\$727 / €527
(including postage & handling)
Institutional subscription
(print & online): US\$858 / €624
(including postage & handling)
Individual subscription
(online only): US\$165 / €140

IOS Press Journal Program

All IOS Press journals are published online and in print

Visit www.iospress.com to:

- > Enter your subscription online
- > Check all subscription options including backfiles
- > Purchase articles on a pay-per-view basis
- > Obtain a free electronic sample copy
- > Scan tables of contents
- > Set up a journal alert
- > Find complete Instructions to Authors

Order Online

at www.iospress.com

Select the title of your choice and click *Subscribe now*. No shipping costs will be charged.

If you would like to order directly from IOS Press, please use one of the addresses on the back of this brochure.

About IOS Press



For over 25 years IOS Press has been serving the scientific community worldwide. IOS Press publishes approximately 120 new books each year and around 100 international journals, covering topics ranging from computer science and mathematics to medicine and the natural sciences. Many titles are listed in the most important abstracting databases, such as Thomson Reuters, MEDLINE and SciVerse Scopus.

Headquartered in Amsterdam with satellite offices in the USA, Germany, India and China, IOS Press has established several strategic co-publishing initiatives. Notable acquisitions included Delft University Press in 2005 and Millpress Science Publishers in 2008.

Order Form

Yes, I would like to subscribe to *In Silico Biology* (2013)

- Institutional subscription (online only): US\$645 / €470
- Institutional subscription (print only): US\$727 / €527 (incl. postage & handling)
- Institutional subscription (print & online): US\$858 / €624 (incl. postage & handling)
- Individual subscription (online only): US\$165 / €140
- Please bill me (postage and handling charges will be added)
- Please charge my credit card: American Express Euro/MasterCard Visa

Card #: _____
 Security Code: _____ Exp. Date: _____
 VAT #: _____
 Name: _____
 Address: _____
 City/State: _____ Zip/Postal Code: _____ Country: _____
 Email: _____ Fax: _____
 Signature: _____ Date: _____

Visit our website www.iospress.com for online ordering

For ebooks, go to www.booksonline.iospress.com

 Follow us on Twitter : @IOSPress_STM

IOS Press
 Nieuwe Hemweg 6B
 1013 BG Amsterdam
 The Netherlands
 Tel.: +31 20 688 3355
 Fax: +31 20 687 0019
 Email: market@iospress.nl

IOS
 Press

IOS Press, Inc.
 4502 Rachael Manor Drive
 Fairfax, VA 22032
 USA
 Tel.: +1 703 323 5600
 Fax: +1 703 323 3668
 Email: iosbooks@iospress.com