

What's New at Parks Library?

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I hope everyone's semester is going well. Spring break is just around the corner. I have a few announcements regarding the ISU library's institutional memberships to Biomed Central and the Public Library of Science and new resources at the library. Keep reading for the details! --
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New Journals!

[*Molecular Plant*](#) – “*Molecular Plant* is a recently founded international journal that publishes significant findings in plant biology, focusing broadly on cellular biology, physiology, molecular biology, genetics, development, and evolution.”

BioOne.2 - A collection of 66 journals from the biological, ecological, and environmental sciences. A complete listing of titles is available here:

http://www.bioone.org/userimages/ContentEditor/1282576480095/2011_BioOne2_Titles.pdf

The library already had access to the BioOne.1 collection.

NEW!!!! --- Biomed Central and Public Library of Science Institutional Memberships

Are you considering publishing an article in a Biomed Central or Public Library of Science journal? If so, as an Iowa State University faculty member you are now entitled to a discount on the article processing charges. *Several faculty members from EEOB and GDCB have published articles in BMC and PLoS journals. A recently published article about BMC Plant Biology is available from [Science Watch](#).*

The Iowa State University library has paid for institutional memberships to Biomed Central (BMC) and the Public Library of Science (PLoS). Both of these publishers utilize the open access publishing model. Articles published in open access journals are freely accessible on the Internet without a journal subscription. There are currently 213 peer-reviewed journals in the BMC collection, and seven peer-reviewed journals in the PLoS collection. **The BMC “Supporter” membership entitles ISU authors to a 15% discount on the article processing charge.** The article processing charges vary for BMC journals. For example, the charge is \$675 for *Veterinary Research* and \$2520 for *Genome Biology*. **The PLoS institutional membership entitles authors to a 10% discount.** Publication fees range from \$1350 for *PLoS ONE* to \$2900 for *PLoS Biology* and *PLoS Medicine*.

For more information, consult the publishers' websites:

Biomed Central: <http://www.biomedcentral.com/>

About BioMed Central: <http://www.biomedcentral.com/info/>

BioMed Central Publications: <http://www.biomedcentral.com/browse/journals/>

Information for Authors: <http://www.biomedcentral.com/info/authors/>

Article Processing Charges: <http://www.biomedcentral.com/info/authors/apcfaq>

Impact Factor Information: <http://www.biomedcentral.com/info/authors/faq?name=impactfactor>

Public Library of Science: <http://www.plos.org/>

About PLoS: <http://www.plos.org/about/index.php>

PLoS Publications: <http://www.plos.org/journals/index.php> Includes links for submitting articles to each journal.

PLoS Publication Fees: <http://www.plos.org/journals/pubfees.php>

Search all PLoS journals: <http://www.plos.org/search.php>

Searching for laboratory protocols or methods?

The ISU Library offers researchers in the biomedical and life sciences a variety of resources that contain protocols and techniques. The most recent additions are online subscriptions to:

- *Cold Spring Harbor Protocols* – Published monthly. “*Cold Spring Harbor Protocols* is an interdisciplinary journal providing a definitive source of research methods in cell, developmental and molecular biology, genetics, bioinformatics, protein science, computational biology, immunology, neuroscience and imaging.”
- *Current Protocols in Cytometry*
- *Current Protocols in Bioinformatics*
- *Current Protocols in Molecular Biology*

For more information about laboratory methods and protocols, consult the library research guide, [Laboratory Protocols & Methods](#).

Search Tips for *Current Protocols*

The following screenshot is from *Current Protocols in Bioinformatics*; other *Current Protocols* have the same format.

The screenshot shows the Wiley Online Library interface for the book 'Current Protocols in Bioinformatics'. The left sidebar contains several sections: 'BOOK TOOLS' (Save to My Profile), 'BOOK MENU' (Book Home), 'FIND ARTICLES' (Articles by Topic, Table of Contents), 'GET ACCESS' (How to get online access), 'FOR CONTRIBUTORS' (Author Guidelines), 'ABOUT THIS BOOK' (Editors & Contributors, What's New, Sample Content, Archive), and 'SPECIAL FEATURES' (Mission Statement, How To Cite). The main content area displays the book title, copyright information (© 2009 John Wiley & Sons, Ltd.), ISBN (9780471250951), and DOI (10.1002/0471250953). Below this is a list of units with links to abstracts and full texts: Unit 1.19 Searching NCBI's dbSNP Database, Unit 9.13 Setting up the JBrowse Genome Browser, Unit 11.6 RNA-Seq Read Alignments with PALMapper, and Unit 11.7 Aligning Short Sequencing Reads with Bowtie. A search box is located in the top right corner with a dropdown menu set to 'All content' and a 'Search in this Book' link.

There are several ways to search that, at first glance, may not be obvious. On the left-hand sidebar, under “Find Articles” you can browse “Articles by Topic” or browse the “Table of Contents.” On the right-hand side of the page, there is a search box. I advise you to use the “Search in this Book” link. If you use the search box, you’ll be searching ALL content within the Wiley Online Library.

Selected New Titles

CALL NUMBER	TITLE
MICROSCOPY	
QH205.2 M47 2010	Introduction to optical microscopy /
QH212 A78 E28 2010	Atomic force microscopy /
QH212 S35 S37x 2010	Scanning tunneling microscopy in surface science, nanoscience and catalysis /
BIOSTATISTICS/MATHEMATICS	
QH323.5 L645 2010	Biostatistical design and analysis using R : a practical guide
QH323.5 N474 2010	New perspectives in mathematical biology /
QH323.5 S58 2011	Dynamical systems and population persistence /
QH323.5 S67 2010	Statistical and evolutionary analysis of biological networks
QH324.2 D49 2011	Bayesian modeling in bioinformatics /
QH324.2 F76x 2010	Frontiers in computational and systems biology /

QH324.2 H33 2011	Practical computing for biologists /
QH324.2 M33 2011 text	Clustering in bioinformatics and drug discovery /
QH324.8 H35x 2010	Handbook on biological networks /
EVOLUTION	
QH361 .N68 2010	From man to ape : Darwinism in Argentina, 1870-1920 /
QH366.2 A53 2009	Animal evolution : genomes, fossils, and trees /
QH366.2 A968 2010	Am I a monkey? : six big questions about evolution /
QH366.2 D34184 2010	Darwin /
QH366.2 F72 2009	Evolution in the antipodes : Charles Darwin and Australia
QH366.2 I5x 2010	In search of the causes of evolution : from field observations to mechanisms /
QH366.2 L67x 2009	Lost sex : the evolutionary biology of parthenogenesis /
QH366.2 V55 2010	Modular evolution : how natural selection produces biological complexity /
QH367 B53 2010	Man's emerging mind : man's progress through time - trees, ice, flood, atoms, and the universe /
QH367 H675 2011	Evolution : the story of life on Earth /
QH367 W55x 2010	The Darwinian tourist : viewing the world through evolutionary eyes /
QH376 .B67 2010	Evolutionary restraints : the contentious history of group selection /
GENETICS	
QH390 .E96 2010	Evolution after gene duplication /
QH438.5 S65 2011	Phenotypic variation : exploration and functional genomics /
QH438.7 N38 2010	Nature after the genome /
QH445.2 .D368 2010	The \$1,000 genome : the revolution in DNA sequencing and the new era of personalized medicine /
QH447 P68 2010	Designer genes : a new era in the evolution of man /
QH45.2 N363x 2010	Natural history : the ultimate visual guide to everything on Earth
QH450 L38 2010	Gene control /
QH450 R635 2011	RNA worlds : from life's origins to diversity in gene regulation /
QH455 D76 2011	Haldane, Mayr, and beanbag genetics /
QH505 S34x 2010	Theoretical molecular biophysics :
QH506 M6628 2010	Molecular biology : principles of genome function /
ECOLOGY	
QH541 B275x 2010	Aboveground-belowground linkages : biotic interactions, ecosystem processes, and global change /
QH541 C66x 2010	Community ecology : processes, models, and applications
QH541.15 B56 F73 2010	Fragile web : what next for nature? /

QH541.15 E45 Z53 2010	Computational ecology : artificial neural networks and their applications /
QH541.15 L35 F356x 2010	Ecology, cognition and landscape : linking natural and social systems /
QH541.15 M64 A726x 2010	Environmental modeling and health risk analysis (ACTS/RISK) /
QH541.15 R45 E23 2010	Ecological restoration : a global challenge /
QH541.15 R45 G745 2011	Restoration ecology /
QH541.2 .E252 2010	The ecology of place : contributions of place-based research to ecological understanding /
QH541.5 C6 U735x 2010	Urban ecosystem ecology /
BOTANY	
QK867 S66x 2009	Plant nutrition of greenhouse crops /
QK870 W48x 2010	Waterlogging signalling and tolerance in plants /
QK882 S65x 2010	Photoprotection in plants : optical screening-based mechanisms
QK898 L56 L5545x 2010	Lipid signaling in plants /
QK898 N6 N586 2011	Nitrogen metabolism in plants in the post-genomic era /
QK922 D47x 2010	Desert plants : biology and biotechnology /
ZOOLOGY	
QL666 C536 N275x 2010	Assessment of sea-turtle status and trends : integrating demography and abundance /
QL668 C2 M493 2010	Salamanders of the Southeast /
QL676.5 .L395 2010	The American Bird Conservancy guide to bird conservation /
QL676.56 W3 W55 2010	Seeking refuge : birds and landscapes of the Pacific flyway
QL676.7 C68 2010	Atlas of rare birds /
QL677.5 B42 2010	Global birding : traveling the world in search of birds /
QL681 S39 2010	Bird feathers : a guide to North American species /
QL684 W8 F38 2010	Birds of Wyoming /
QL696 S473 M668x 2010	Fraser's penguins : a journey to the future in Antarctica /
QL696.C4 C655 2010	Shorebird ecology, conservation, and management /
QL696.S473 D46 2010	The great penguin rescue : 40,000 penguins, a devastating oil spill, and the inspiring story of the world's largest animal rescue /
QL698.9 .C69 2010	Bird migration and global change /
QL698.95 E25x 2010	Ecological and environmental physiology of birds /
QL698.95 E34 2010	Effects of climate change on birds /