

Springer Protocols 使用手冊

瀏覽

- 點選類別或其他頁面資訊

The screenshot shows the Springer Protocols homepage. At the top, there is a navigation bar with the Springer Protocols logo and links for HOME and MY ACCOUNT. Below the navigation bar, there is a welcome message for John Smith with a Logout link. On the left side, there are several menu items: Upload a Protocol, Protocol Alert, Video Protocols, Comments, and Favorites. In the center, there is a search bar with a Search button and a link to Advanced Search. On the right side, there is a section titled 'Browse by Subject' with a list of subjects: Biochemistry, Biotechnology, Cell Biology, Imaging/Radiology, Infectious Diseases, Molecular Medicine, Pharmacology/Toxicology, Protein Science, Bioinformatics, Cancer Research, Genetics/Genomics, Immunology, Microbiology, Neuroscience, and Plant Sciences.

- 再點選子學科或年代以更精確你的瀏覽結果

The screenshot shows the Springer Protocols search results page for Biochemistry. The page has a search bar at the top with a Go button and a link to ADVANCED SEARCH. Below the search bar, there is a welcome message for John Smith with a Logout link. On the left side, there are two menu items: 'Browse by Subject' and 'Browse by Year'. The 'Browse by Subject' menu lists various subjects with their respective counts: Analytical Chemistry (100), Electrophoresis (64), Enzymology (37), Human Physiology (18), Nucleic Acid Chemistry (112), and Proteomics (29). The 'Browse by Year' menu lists years with their respective counts: 2007 (61), 2004-2006 (357), 2001-2003 (70), 1998-2000 (107), and 1995-1997 (20). The main content area shows the search results for Biochemistry. It includes a breadcrumb trail: Home » Biochemistry. Below the breadcrumb trail, there is a section titled 'Protocols in Biochemistry'. The search results are displayed in a table with columns for 'Standard', 'Condensed', and 'Sort results by:'. The first result is 'Conventional Specimen Preparation Techniques for Transmission Electron Microscopy of Cultured Cells' by John J. Bozzola, published on Feb-27-2007. The second result is 'Cell-Free Extract Systems and the Cytoskeleton: Preparation of Biochemical Experiments for Transmission Electron Microscopy' by Margaret Coughlin, William M. Brieher, and Ryoma Ohi, published on Feb-27-2007.

檢索

在任一頁面皆可快速檢索，檢索結果可立即以日期、作者、或資料名稱做排序。

Search Protocols

Advanced Search

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Search results for: Text "mutagenesis" - any of the words/ (Protocol search)
[Save search results](#)

Sort results by: per page

Free **S** **Subscribed** **T** **Trial**

S **Random Mutagenesis by Whole-Plasmid PCR Amplification**
Author(s): Donghak Kim, F. Peter Guengerich
Pub. Date: Apr-01-2002; **DOI:** 10.1385/1-59259-177-9:241
Summary: Random **Mutagenesis** by Whole-Plasmid PCR Amplification **Mutagenesis** is a popular tool used in the analysis of protein structure and function. Polymerase chain reaction (PCR)-based **mutagenesis** can be...
[Abstract](#) | [Full Text](#) | [PDF \(154K\)](#)

S **EMS Mutagenesis of Arabidopsis**
Author(s): YongSig Kim, Karen S. Schumaker, Jian-Kang Zhu
Pub. Date: Mar-15-2006; **DOI:** 10.1385/1-59745-003-0:101
Summary: EMS **Mutagenesis** of Arabidopsis A powerful approach for determining the biological functions of genes in an organism is to produce mutants with altered

並提供以主題相關性及時間段做過濾，迅速減少多篇文章清單，僅列出符合你預期的查詢結果。經常需要的檢索，或需做更確實地搜尋資料，當你找到所符合的資料時，可以儲存在個人帳戶中，以利下次的檢索利用。

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Search results for: Text "mutagenesis" - any of the words/ published between 2004 to 2006/ subject "Cell Biology"/ (Protocol search)
[Save search results](#)

Sort results by: per page

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S **Identification of Apoptosis Regulatory Genes Using Insertional Mutagenesis**
Author(s): Joëlle Thomas, Yann Leverrier, Anne-Laure Mathieu, Jacqueline Marvel
Pub. Date: May-20-2004; **DOI:** 10.1385/1-59259-812-9:275
Summary: Identification of Apoptosis Regulatory Genes Using Insertional **Mutagenesis** This chapter describes a retroviral insertion **mutagenesis** approach using replication-deficient myeloproliferative sarcoma...
[Abstract](#) | [Full Text](#) | [PDF \(219K\)](#)

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- 增加自我使用的內容，使用Upload a Protocol功能在My Protocols區上傳增加個人的實驗室指南，也可增加個人喜愛的實驗室指南。

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- Biochemistry (863)
- Bioinformatics (87)
- Biotechnology (163)
- Cancer Research (532)
- Cell Biology (1052)
- Genetics/Genomics (1019)
- Imaging/Radiology (79)
- Immunology (397)
- Infectious Diseases (287)
- Microbiology (623)
- Molecular Medicine (621)
- Neuroscience (414)
- Pharmacology/Toxicology (200)
- Plant Sciences (383)
- Protein Science (800)

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- › To upload a protocol, please complete the required fields below and click "Submit."
- › Please submit your file in Word or PDF.
- › Only one file may be submitted, so please embed any figures and tables within the body of the document.
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- › Introduction, Materials, Methods, Notes, References

Protocol Title: *

First Author: *

Affiliation(s): *

Co-authors

Author Name	Affiliation
<input type="text" value="Carrie Sanchez"/>	<input type="text" value="Carlisle University"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

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Hydrolysis of Hemicelluloses Using Combinations of Xylanases Feruloyl Esterases
DOI: 10.1007/978-1-59259-261-6_15
Pub. Date: Jul-23-1999
[Abstract](#) | [Full Text](#) | [PDF \(122K\)](#)

Electron Crystallography of Membrane Proteins
DOI: 10.1007/978-1-59745-294-6_16
Pub. Date: Feb-27-2007
[Abstract](#) | [Full Text](#) | [PDF \(543K\)](#)






My Uploaded Protocols

Protein Determination
Author(s): John Smyth¹, Stanley Frank²
Date Submitted: Dec-18-2007
[Abstract](#) | [Protocol](#)

DNA Sequencing Issues
Author(s): John Smyth¹, Carrie Sanchez²
Date Submitted: Dec-18-2007
[Abstract](#) | [Protocol](#)

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<input checked="" type="checkbox"/> Cell Biology	<input checked="" type="checkbox"/> Genetics/Genomics
<input type="checkbox"/> Imaging/Radiology	<input type="checkbox"/> Immunology
<input type="checkbox"/> Infectious Diseases	<input type="checkbox"/> Microbiology
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Sub	Title	Date	Author	Subject
	Manipulation of Cell-Cell Adhesion Using Bowtie-Shaped Microwells	2/25/2007 1:30 PM		
	Analysis of Focal Adhesions and Cytoskeleton by Custom Microarray	2/25/2007 1:30 PM		
	Proteomic Analysis of Cell Surface Membrane Proteins in Leukemic Cells	2/25/2007 1:30 PM		
	Bioinformatic Analysis of Adhesion Proteins	2/25/2007 1:30 PM		
	Analysis of Integrin Dynamics by Fluorescence Recovery After Photobleaching	2/25/2007 1:30 PM		
	Double-Hydrogel Substrate as a Model System for Three-Dimensional Cell Culture	2/25/2007 1:30 PM		
	In Vitro Actin Assembly Assays and Purification From Acanthamoeba	2/25/2007 1:30 PM		
	Separation of Cell-Cell Adhesion Complexes by Differential Centrifugation	2/25/2007 1:30 PM		
	Analysis of Neutrophil Chemotaxis	2/25/2007 1:30 PM		
	Analysis of Leukocyte Migration Through Monolayers of Cultured Endothelial Cells	2/25/2007 1:30 PM		
	Biochemical Purification of Pseudopodia from Migratory Cells	2/25/2007 1:30 PM		
	Dynamic Assessment of Cell-Matrix Mechanical Interactions in Three-Dimensional Culture	2/25/2007 1:30 PM		
	Quantitative Analyses of Cell Adhesion Strength	2/25/2007 1:30 PM		
	Using RIA Interference to Knock Down the Adhesion Protein TES	2/25/2007 1:30 PM		

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 - 2.2 Immunohistochemistry
 - 2.3 Microarray
- 3 Methods
 - 3.1 Cell Culture
 - 3.2 Immunohistochemistry (Fig. 1)

Analysis of Focal Adhesions and Cytoskeleton by Custom Microarray

By: [Matthew J. Dalby²](#), [Stephen J. Yarwood⁹](#)

Abstract

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Focal adhesions and the cell cytoskeleton (intermediate filaments, microfilaments, microtubules) are involved in mechanotransduction—both direct (transduction of mechanical forces to the nucleus) and indirect (transduction of chemical signaling cascades to the nucleus). Thus, observation of changes in focal adhesion and cytoskeletal organization can be invaluable in research such as drug treatments and medical material testing in vitro.

Here we describe how to stain human fibroblasts for vinculin (located to focal adhesions), actin (microfilaments), tubulin (microtubules), and vimentin (intermediate filaments) and how to perform custom microarray experiments. Comparative analysis of the immunofluorescence and array data should allow the researcher to build up a global picture of changes to both direct and indirect mechanotransduction through the cytoskeleton from

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The screenshot shows a Springer Protocols article page. At the top, there is a search bar and navigation links for HOME, MY ACCOUNT, and MY PROTOCOLS. The user is logged in as John Smyth. The article title is "Manipulation of Cell-Cell Adhesion Using Bowtie-Shaped Microwells" by Celeste M. Nelson, Wendy F. Liu, and Christopher S. Chen. The page includes a table of contents on the left, an abstract, and a "Download PDF (170K)" button. The abstract text describes traditional methods for studying cell-cell adhesion and a novel method using microfabricated stamps. Key words include "Cell-cell interaction", "cadherin", and "microfabrication". On the right, there are sections for "Inside Springer Protocols" (New, Free, Popular Protocols, Tour) and "Useful Tools" (Related Books, Similar Protocols, Export Citation, Comment, Recommend).




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The screenshot shows an "E-mail a friend" form. It has fields for "Your Name" (John Smyth), "Your e-mail" (test1@test1.com), "Your Friend's name" (Sally Hernandez), and "Your Friend's e-mail" (s.hernandez@test.com). The subject is "Murine Model Protocol" and the message is "Thought you might like to read this. John". There are "Send" and "Cancel" buttons at the bottom. Below the form, there are icons for social media and sharing options.

The screenshot shows a Springer Protocols article page for "A Murine Model for Studying Hematopoiesis and Immunity in Heart Failure" by Per Ole Iversen and Dag R. Sørensen. The page includes an abstract, a "Full Text" link, and a "Download PDF (463K)" button. The abstract text discusses epidemiological research on anemia in heart failure patients. On the right, there is a "Bookmarks" section with links to Digg, citeulike, connotea.org, and del.icio.us. The "Inside Springer Protocols" sidebar is also visible.

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Title: A Murine Model for Studying Hematopoiesis and Immunity in Heart Failure
Author(s): Per Ole Iversen, Dag R. Sørensen
Book Title: Target Discovery and Validation Reviews and Protocols: Volume 1, Emerging Strategies for Targers and Biomaker Discovery
Series: Methods in Molecular Biology
DOI: 10.1385/1-59745-165-7:269

Comments

Results 1 - 2 of 2






Comments

By **John Smyth** Dec-13-2007 06:35 AM

This study should encourage further studies of hematopoiesis and immunity in heart failure by using a combination of animal models with state-of-the-art techniques in molecular biology to define and validate possible targets for therapy.

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