

# シュプリンガー・プロトコル Springer Protocols ユーザーガイド

## ホームページ

シュプリンガー・プロトコルのサイトを開く。

<http://www.springerprotocols.com>

## ブラウズ

シュプリンガー・プロトコルのサイト(springerprotocols.com)上で簡単に検索・閲覧ができます。

- ホームページまたはその他のサイトページ上で分野を選択。

The screenshot shows the Springer Protocols homepage. The 'Browse by Subject' section is highlighted with an orange box. An arrow points from a yellow box labeled '分野を選択' (Select field) to this section. The subjects listed are:

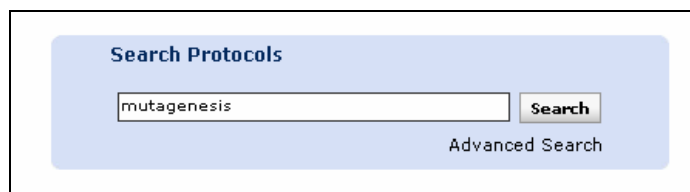
Biochemistry	Bioinformatics
Biotechnology	Cancer Research
Cell Biology	Genetics/Genomics
Imaging/Radiology	Immunology
Infectious Diseases	Microbiology
Molecular Medicine	Neuroscience
Pharmacology/Toxicology	Plant Sciences
Protein Science	

- 検索・閲覧結果を絞り込むために、サブカテゴリまたは発行年を選択。

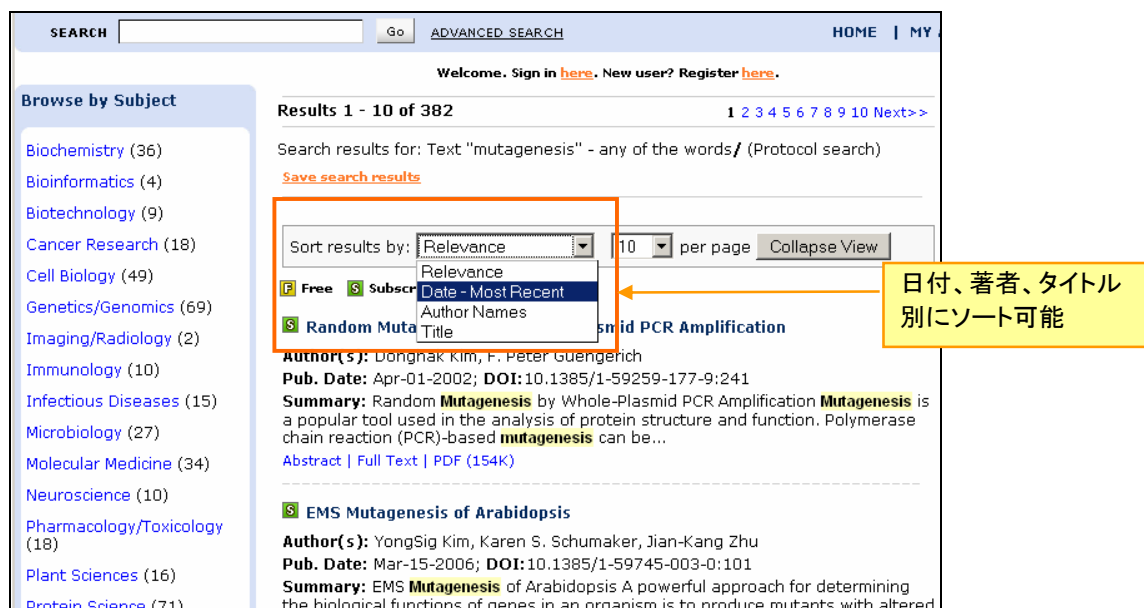
The screenshot shows the Springer Protocols search results page. The 'Browse by Subject' and 'Browse by Year' sections are highlighted with orange boxes. A yellow box labeled 'サブカテゴリ' (Subcategory) points to the 'Browse by Subject' section, and another yellow box labeled '発行年' (Year) points to the 'Browse by Year' section. The search results are for 'Protocols in Biotechnology' and show 163 results. The first result is 'Genetic Engineering of Plants for Phytoremediation of Polychlorinated Biphenyls' by Shigenori Sonoki, Satoru Fujihiro, and Shin Hisamatsu, published on Mar-19-2007. The second result is 'Testing the Manipulation of Soil Availability of Metals' by Fernando Madrid Diaz, M. B. Kirkham, published on Mar-19-2007.

## 検索

サイト上のどのページからでも、すばやく検索ができます。また、検索結果は、日付、著者、タイトル別にソートができます。



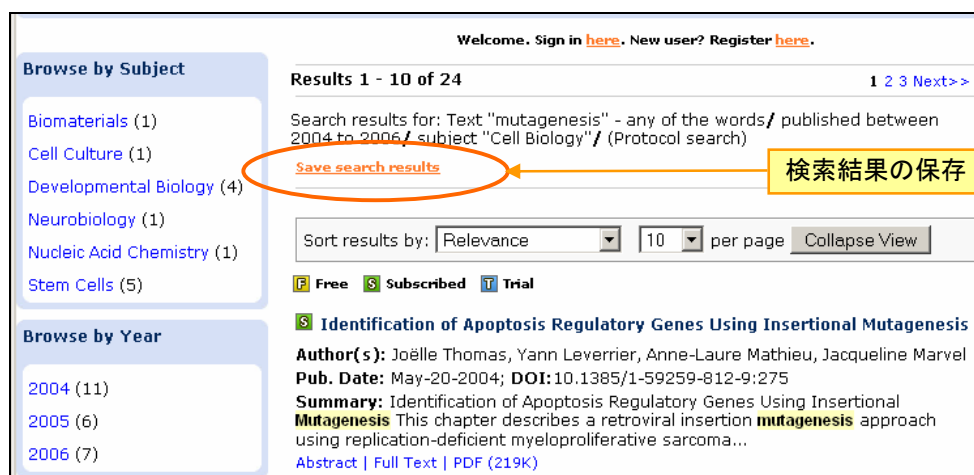
A search box titled "Search Protocols" with the text "mutagenesis" entered. A "Search" button is to the right, and "Advanced Search" is written below the button.



A screenshot of a search results page. The search term is "mutagenesis". The results are sorted by "Relevance". A dropdown menu is open, showing options: "Relevance", "Date - Most Recent", "Author Names", and "Title". A yellow callout box points to the "Date - Most Recent" option with the text "日付、著者、タイトル別にソート可能".

## 検索結果の保存

分野と期間で検索結果をフィルターし、希望する検索結果リストを得るために長い文献リストを簡単に絞り込むことができます。頻繁に実行する検索や精密な検索については、希望する検索結果を探索し、それらをユーザーのアカウントに保存しておく、便利です。



A screenshot of a search results page with filters applied: "published between 2004 to 2006" and "subject 'Cell Biology'". The "Save search results" link is circled in red. A yellow callout box points to it with the text "検索結果の保存".

## Advanced Search (高度検索機能)

さらに絞り込むには、Advanced Search (高度検索) 機能を使用します。Advanced Search を使用すると、キーワード、抄録、タイトル、著者、分野、日付を組み合わせることで精緻な検索結果リストを得られます。

SEARCH   **ADVANCED SEARCH**

Welcome. Sign in [here](#). New user? Register [here](#).

### Browse by Subject

- 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)

### Advanced Search

Select Option  Protocols  Books

Anywhere in Text:   any  all  exact phrase

Keywords:   any  all  exact phrase

Abstract:   any  all  exact phrase

Title:   any  all  exact phrase

Author/Editor:  e.g. Smith JS, Jones D

Series:

Volume No:

EISBN:

Subject:

Year:  through

DOI:

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Results: View  per page

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## パーソナライゼーション

シュプリングer・プロトコルは、各ユーザーに合わせて、サイト環境を個人仕様にカスタマイズできます。ユーザーは、検索結果が保存でき、また、希望するコンテンツが掲示されると通知するアラート機能を My Protocols ページに設定できます。

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- さらに詳細を閲覧する、または、今後も閲覧する文献は、My Protocols に加えることができます。My Protocols には、お気に入りとともにユーザーのコンテンツも保存できます。

SEARCH [ ] Go ADVANCED SEARCH HOME | MY

Welcome John Smyth Logout

### Contents of this article

- 1 Introduction
  - 1.1 Hemicelluloses in the P...
  - 1.2 Phenolic Content
  - 1.3 Why Hydrolyze Hemicellu...
  - 1.4 Alkali/Acid and Enzymic...
  - 1.5 Interactions Between En...
  - 1.6 Breakdown of Hemicellu...
- 2 Materials
  - 2.1 Enzymatic Hydrolysis
  - 2.2 Analysis of Phenolics
  - 2.3 Sugars Analysis
- 3 Methods
  - 3.1 Enzymatic Hydrolysis
  - 3.2 Analysis of Phenolics
  - 3.3 Sugars Analysis

### Hydrolysis of Hemicelluloses Using Combinations of Xylanases and Feruloyl Esterases

By: Craig B. Faulds, Paul A. Kroon, Begoña Bartolomé<sup>2</sup>, Gary Williamson<sup>3</sup>

**Abstract**

Full Text | Download PDF (122K)

Hemicelluloses are heteropolysaccharides that occur in many plant cell walls. Usually hemicelluloses consist of a xylan backbone highly substituted with sugar side chains and with acetyl, feruloyl, coumaroyl, and other groups; the polymer is linked to protein, cellulose, and other cell wall components. The hemicellulose component of the cell wall helps prevent infection, provides strength, and protects against other external agents. Plant pathogens hydrolyze the plant cell wall, including the hemicellulose component, prior to invasion, and dead plant cell walls are degraded by Saprophytic fungi and other microbes to utilize the components as energy. This digestive process also occurs in ruminants and in the colon of humans, and is catalyzed by gut microflora.

**Affiliation(s):** (2) Biochemistry Department, Institute of Food Research, Norwich Research Park, Norwich, UK  
(3) Institute of Food Research, Norwich Laboratory, Norwich Research Park, Norwich, UK

**Book Title:** [Carbohydrate Biotechnology Protocols](#)

**Series:** Methods in Biotechnology | **Volume:** 10 | **Pub. Date:** Jul-23-1999 | **Page Range:** 183-195 | **DOI:** 10.1007/978-1-59259-261-6\_15

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All submitted protocols should contain the following sections:

- > Introduction, Materials, Methods, Notes, References

Protocol Title:\*

First Author:\*

Affiliation(s):\*

Co-authors

Author Name	Affiliation
Carrie Sanchez	Carlisle University


Protocol Information:\*


Protocol のアップロード

## My Protocolsの中を見てみましょう

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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 \(543K\)](#)

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**My Uploaded Protocols**

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**Protein Determination**  
**Author(s):** John Smyth<sup>1</sup>, Stanley Frank<sup>2</sup>  
**Date Submitted:** Dec-18-2007  
[Abstract](#) | [Protocol](#)

---






**DNA Sequencing Issues**  
**Author(s):** John Smyth<sup>1</sup>, Carrie Sanchez<sup>2</sup>  
**Date Submitted:** Dec-18-2007  
[Abstract](#) | [Protocol](#)

## My Account

- お気に入りや、保存検索結果は、すべて My Account ページから閲覧できます。

My Account













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	<a href="#">Edit Account</a>		<a href="#">My Protocols</a>
	<a href="#">Manage Alerts</a>		<a href="#">Saved Search Results</a>
	<a href="#">Logout</a>		

- 保存された検索結果も、My Account ページで閲覧し、管理します。(2ページ参照)

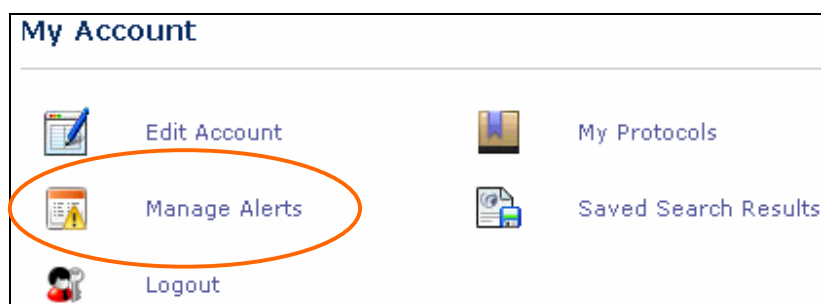
## Saved Searches

Results 1 - 4 of 4

Search	Name	Date	Edit Search	Delete
	apoptosis	31-Dec-2007		
	ts	18-Dec-2007		
	genes	18-Dec-2007		
	immunoassay	10-Dec-2007		

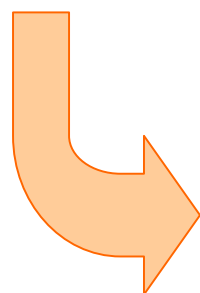
## アラートの設定

- アラートを設定するには、Manage Alerts をクリックして、メールで通知を受けたい分野を選択します。



The screenshot shows the 'My Account' page with several navigation options: 'Edit Account', 'My Protocols', 'Manage Alerts', 'Saved Search Results', and 'Logout'. The 'Manage Alerts' option is circled in orange, indicating it is the next step in the process.

## アラート登録画面



分野の選択

メールフォーマットの選択

**Alerts**

Keep yourself on the cutting-edge! Receive email notifications about new content on Springer Protocols. Email updates include a hyperlinked table of contents, allowing you to browse and access new content right from your inbox. \* required

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<input checked="" type="checkbox"/> Biochemistry	<input type="checkbox"/> Bioinformatics
<input type="checkbox"/> Biotechnology	<input type="checkbox"/> Cancer Research
<input checked="" type="checkbox"/> Cell Biology	<input checked="" type="checkbox"/> Genetics/Genomics
<input type="checkbox"/> Imaging/Radiology	<input type="checkbox"/> Immunology
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<input type="checkbox"/> Pharmacology/Toxicology	<input type="checkbox"/> Plant Sciences
<input type="checkbox"/> Protein Science	

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**E-mail Format\***

HTML     Text-Only

We prefer to send our customers HTML formatted emails whenever possible. HTML formatted emails provide you with improved design and readability.

For the purposes of data protection legislation, submitting this page will indicate you have opted-in, and provided direct consent to receive the e-alerts you have selected. To find out more about our commitment to confidentiality and data protection, please see our [privacy policy](#).

## RSS

RSS フィードを使用すると、常に最新のシュプリンガー・プロトコルコンテンツに更新できます！ご希望の分野に RSS フィードを選択することにより、その関連分野のサイトに新しいコンテンツが掲載されると、ユーザーに通知されます。ユーザーはアグリゲータまたはリーダーでタイトルと抄録を閲覧できます。

RSS を使用するためには、アグリゲータかリーダーを選択して下さい。アグリゲータとリーダーは、さまざまなウェブサイトで RSS フィードを収集できるソフトウェア・アプリケーションです。シュプリンガーの RSS ページのリストからリーダーを選択することもできますし、ユーザー自身のアプリケーションを使用することもできます。

**RSS Feeds**

Use RSS (really simple syndication) feeds to keep up to date with the latest Springer Protocols content! By choosing an RSS feed for one or more of our subject collections, you can be notified when new content is posted to the site for that particular collection. You will find the title and abstract in your news aggregator or reader. To use RSS, you must choose a news aggregator or a reader, a software application that can collect information from many Web sites. If you do not have one, you can choose from one listed on our RSS page or you may choose one of your own. We do not recommend any specific reader/aggregator, but provide a short list for convenience. RSS feeds are convenient because, since you can have feeds from multiple Web sites going into one reader/aggregator on your computer, you can view samples of this content without having to visit so many Web sites. Springer Protocols RSS feeds are part of the Springer Protocols Web site. By using any or all of these feeds, you consent to be bound by our [terms of use](#).

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- RSS** Imaging/Radiology

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- RSSOwl

アグリゲータ/リーダーの選択

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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**Contents of this article**

- 1 Introduction
- 2 Materials
  - 2.1 Cell Culture
  - 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. Dalby<sup>2</sup>, Stephen J. Yarwood<sup>3</sup>

**Abstract**

Full Text | Download PDF (238K)

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

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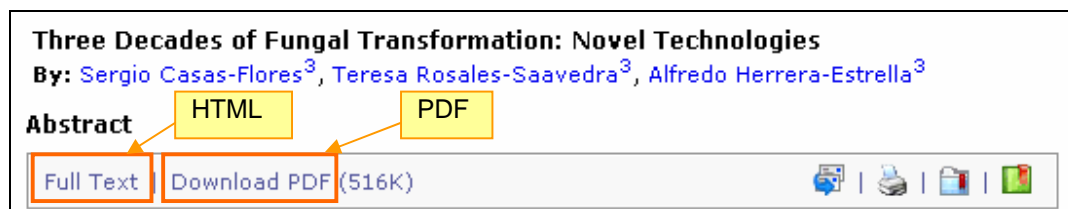




## プロトコルの閲覧

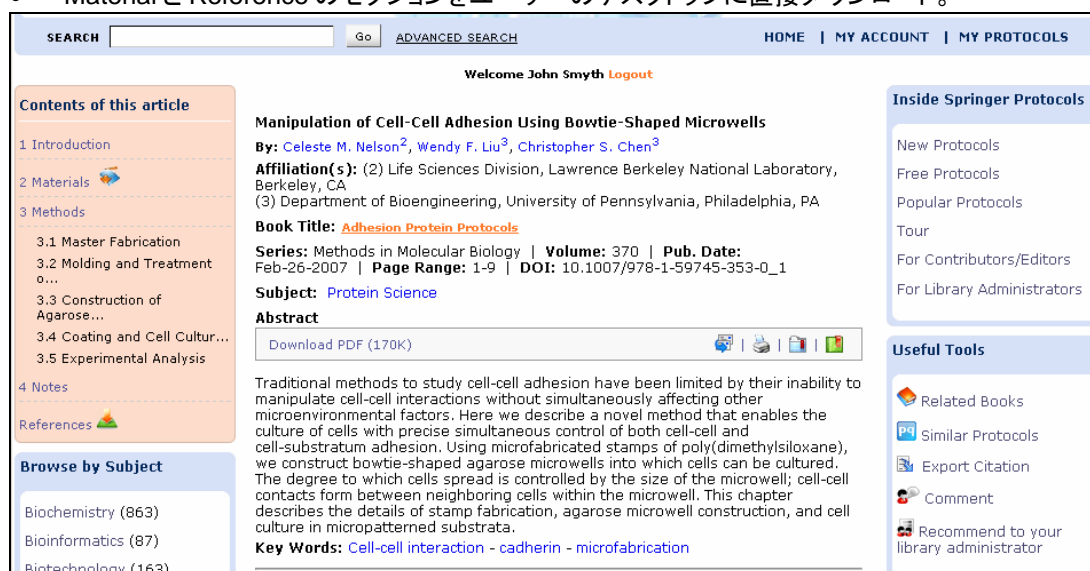
プロトコルの閲覧には、2つの方法があります。

- PDF 冊子体そのままのプロトコルを閲覧するには、Download PDF リンクをクリック。
- HTML 特別にカスタマイズしたコミュニティ機能を使ってプロトコルを閲覧するには、HTML 版の文献を閲覧するための Full Text リンクをクリック。



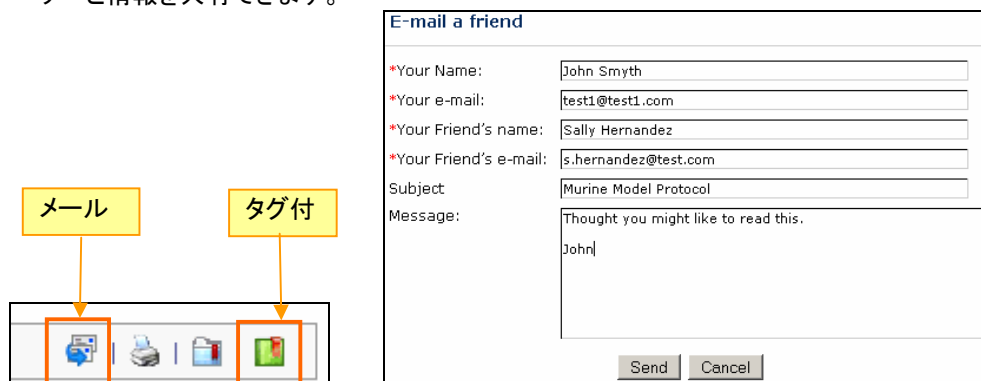
フルテキスト HTML では、次のことが可能です。

- シュプリンガー・プロトコルのサイト (springerprotocols.com) または PubMed 上で著者検索。
- 抄録の下に表示されたキーワードをクリックすると、シュプリンガー・プロトコルのサイト (springerprotocols.com) 上で迅速なキーワード検索が可能。
- この文献ボックスのコンテンツから、プロトコルの主要部分に直接ジャンプ。
- ハイパーテキスト・リンクで、プロトコルのその他のセクション、特定の注釈、レファレンス、図表にジャンプ。
- Material と Reference のセクションをユーザーのデスクトップに直接ダウンロード。



## メール機能

プロトコルをメールで送ることができます。また、お気に入りのブックマークをつけたサイトにタグをつけて他のユーザーと情報を共有できます。



Springer Protocols User Guide, version 200909

## ブックマーク

**A Murine Model for Studying Hematopoiesis and Immunity in Heart Failure**  
By: Per Ole Iversen<sup>2</sup>, Dag R. Sørensen<sup>3</sup>

**Abstract**

Full Text | Download PDF (463K)

Recent epidemiological research indicates that a coexistent anemia among patients with heart failure might worsen their prognosis. However, whether the reduced synthesis of red blood cells is a contributing factor to the development and progression to overt heart failure, or whether it simply is a mere consequence of a dysfunctional heart, remains to be elucidated. Studies in mice with experimentally induced acute myocardial infarction leading to subsequent development of a postinfarction congestive heart failure have shed some light on this problem. Careful analyses of the number and of the functions of various hematopoietic cells residing in either blood or bone marrow point to a possible inhibitory role of cytokines, such as tumor necrosis factor  $\alpha$ , on hematopoiesis. The present protocol

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**Useful Tools**

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プロトコルの引用をrisフォーマットでエクスポートできます。ris以外のフォーマットも現在開発中です。

```
Provider: Springer Protocols
Content: application/x-research-info-systems
TY - CHAP
ID - 10.1385/1-59259-746-7:451
TI - Inhibition of Gene Expression by Nucleic Acid Enzymes in Rodent Models
T2 - Ribozymes and siRNA Protocols
T3 - Methods in Molecular Biology
AU - Iversen, Per Ole
AU - Sioud, Mouldy
PY - 2004/03/05
SP - 451
EP - 456
VL - 252
UR - http://www.springerprotocols.com/Abstract/doi/10.1385/1-59259-746-7:451
ER -
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## コメント

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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 Targets and Biomarker Discovery  
**Series:** Methods in Molecular Biology  
**DOI:** 10.1385/1-59745-165-7:269

**Comments**

Results 1 - 2 of 2

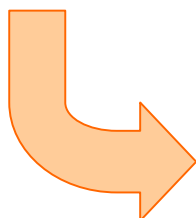
Submit Cancel

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**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.



## 図書館に推奨

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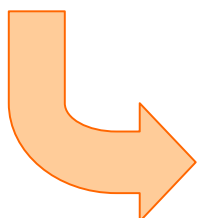
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<input type="checkbox"/> Biotechnology	<input type="checkbox"/> Cancer Research
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<input type="checkbox"/> Molecular Medicine	<input type="checkbox"/> Neuroscience
<input type="checkbox"/> Pharmacology/Toxicology	<input type="checkbox"/> Plant Sciences
<input type="checkbox"/> Protein Science	

**I am making this recommendation for the following reason(s):**



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日本語の製品情報については、シュプリンガー・ジャパンまでお問い合わせ下さい。パンフレットをご用意しております。また、シュプリンガー・ジャパンのウェブサイトでも、ご案内しております。

<http://www.springer.jp/database/springerprotocols.php>

詳細情報(英語)はシュプリンガー・プロトコルのサイトをご覧ください。

<http://www.springerprotocols.com/cdp/view/librarians>



## お問い合わせ

シュプリンガー・プロトコルの利用方法に関するお問い合わせは、下記カスタマーサービス部までお願いします。

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