

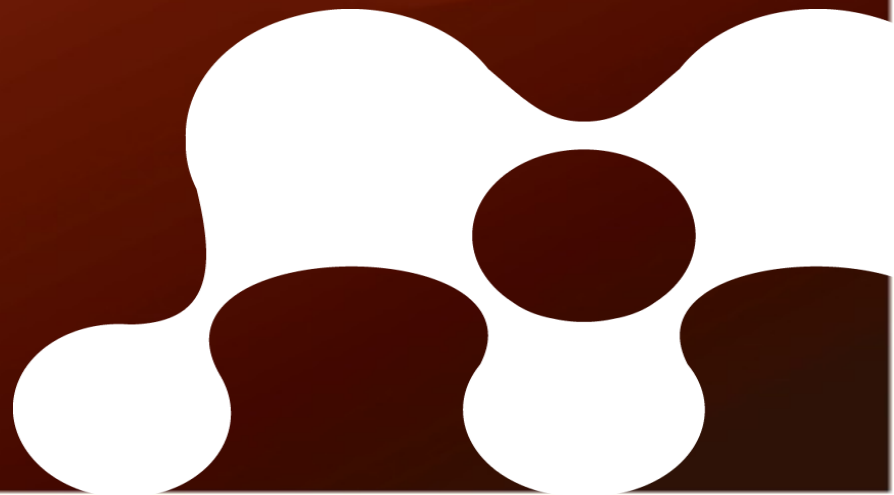
# MENDELEY

[www.mendeley.com](http://www.mendeley.com)

Иванов Иван

аспирант кафедры точных наук

3 июня 2011



- Что такое Менделей?
- Создание личной библиотеки
- Управление документами и библиографией
- Создание списка литературы
- Делимся статьями и участвуем в группах

Что такое Менделей?

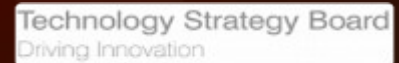
Расположен в Лондоне, Менделей - это более 30 исследователей, студентов и разработчиков ПО из ...



... на подмоге основатели и менеджеры:

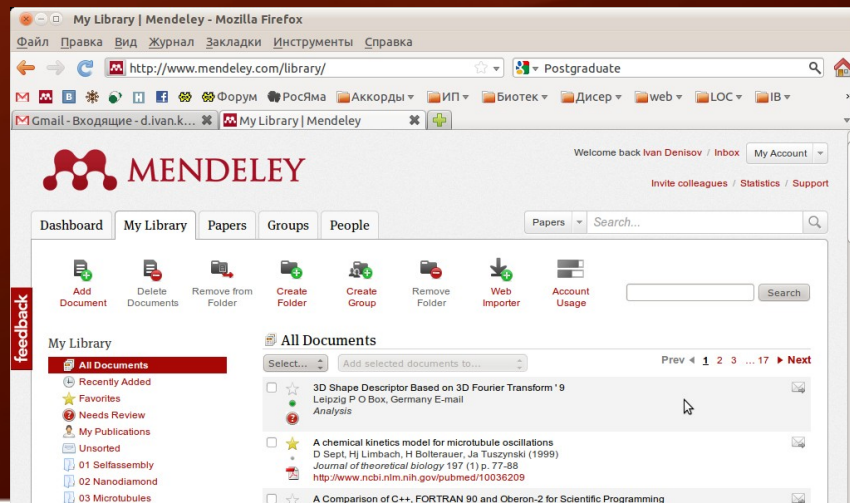
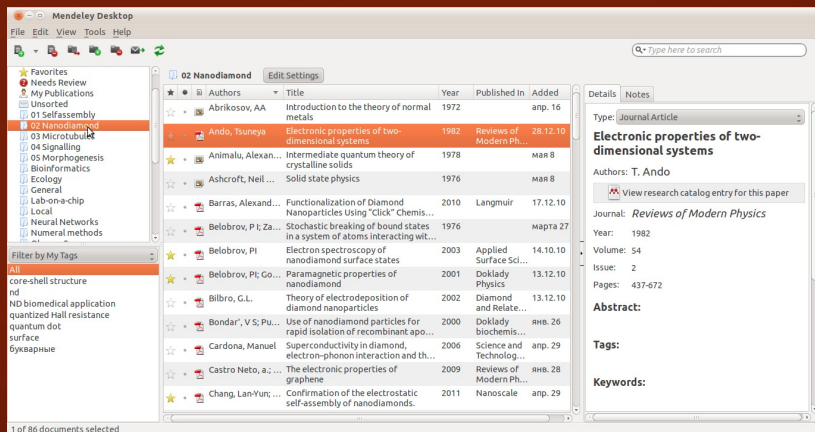


Спонсоры:

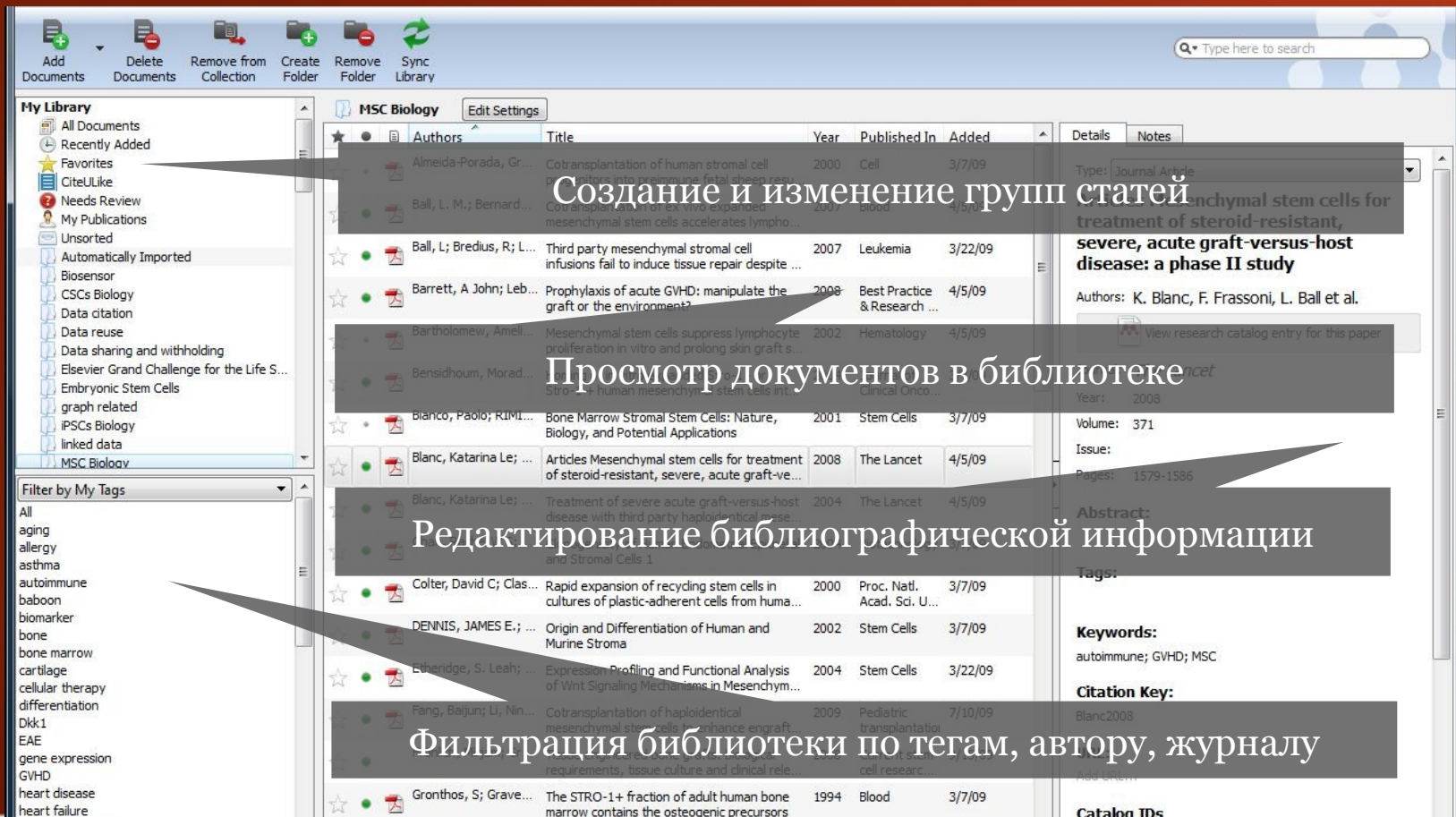


1. Свободное академическое кроссплатформенное ПО для управления, расшаривания, чтения, аннотирования и цитирования научных статей.

2. Социальная сеть для доступа к коллекциям публикаций онлайн, исследования трендов и статистики в вашей области, а также общения с единомышленниками.



Создание личной библиотеки!



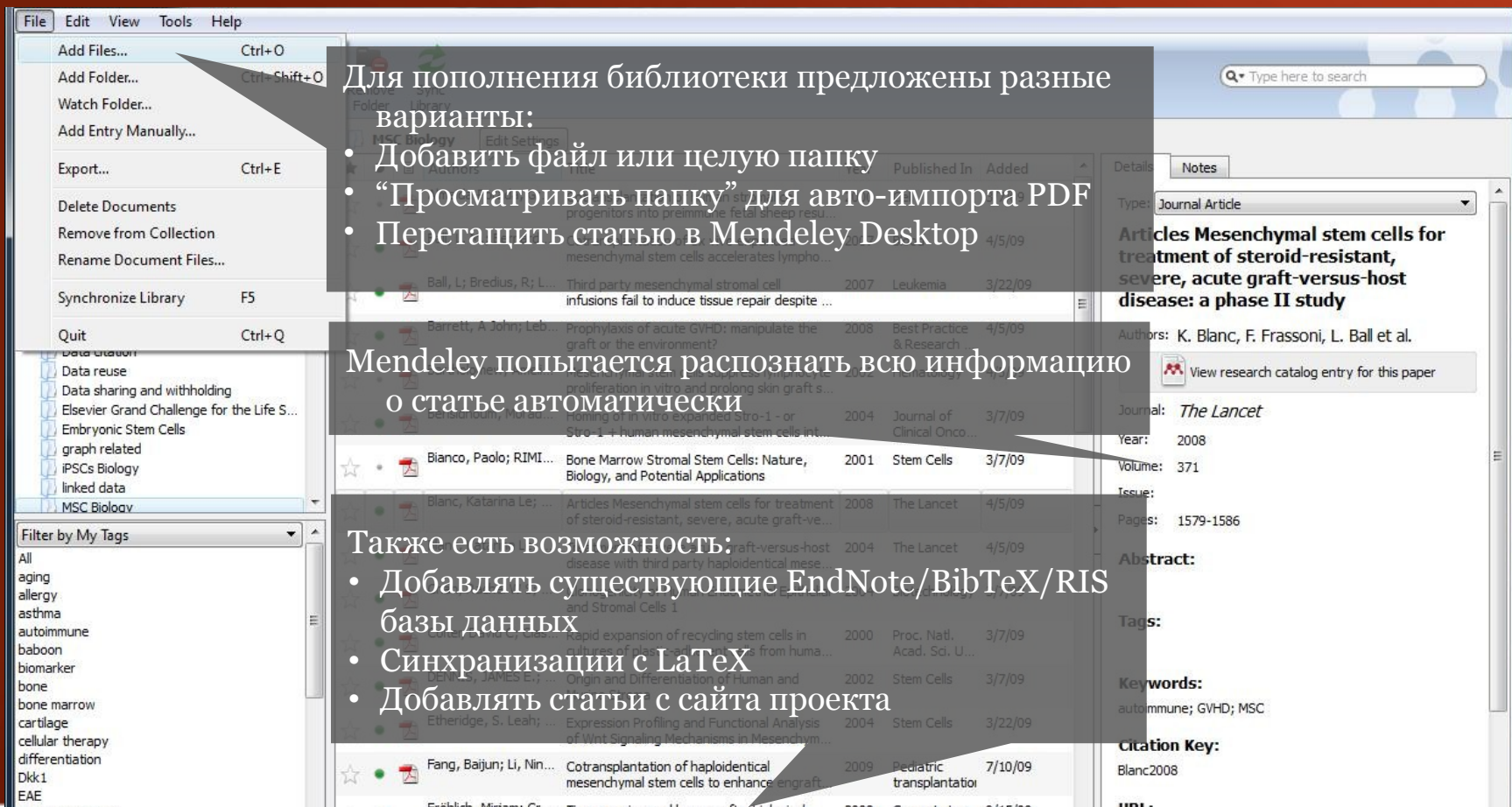
The screenshot displays the Mendeley Desktop application interface. At the top, there is a toolbar with icons for 'Add Documents', 'Delete Documents', 'Remove from Collection', 'Create Folder', 'Remove Folder', and 'Sync Library'. A search bar is located in the top right corner with the placeholder text 'Type here to search'.

The main window is divided into three panes:

- Left Pane (My Library):** Shows a hierarchical view of the library. Under 'My Library', there are sub-items like 'All Documents', 'Recently Added', 'Favorites', 'CiteULike', 'Needs Review', 'My Publications', 'Unsorted', 'Automatically Imported', 'Biosensor', 'CSCs Biology', 'Data citation', 'Data reuse', 'Data sharing and withholding', 'Elsevier Grand Challenge for the Life S...', 'Embryonic Stem Cells', 'graph related', 'iPSCs Biology', 'linked data', and 'MSC Biology' (which is selected). Below this is a 'Filter by My Tags' section with a list of tags including 'aging', 'allergy', 'asthma', 'autoimmune', 'baboon', 'biomarker', 'bone', 'bone marrow', 'cartilage', 'cellular therapy', 'differentiation', 'Dkk1', 'EAE', 'gene expression', 'GVHD', 'heart disease', and 'heart failure'.
- Center Pane (MSC Biology):** Displays a list of articles. The columns are 'Authors', 'Title', 'Year', 'Published In', and 'Added'. The articles listed include:
  - Almeida-Porada, Gr...: Cotransplantation of human stromal cell...
  - Ball, L. M.; Bernard...: Cotransplantation of ex vivo expanded mesenchymal stem cells accelerates lympho...
  - Ball, L.; Bredius, R; L...: Third party mesenchymal stromal cell infusions fail to induce tissue repair despite ...
  - Barrett, A John; Leb...: Prophylaxis of acute GVHD: manipulate the graft or the environment?
  - Bartholomew, Amel...: Mesenchymal stem cells suppress lymphocyte proliferation in vitro and prolong skin graft s...
  - Bensidhoum, Morad...: Stroma human mesenchymal stem cells in...
  - Blanco, Paolo; RIMI...: Bone Marrow Stromal Stem Cells: Nature, Biology, and Potential Applications
  - Blanc, Katarina Le; ...: Articles Mesenchymal stem cells for treatment of steroid-resistant, severe, acute graft-ve...
  - Blanc, Katarina Le; ...: Treatment of severe acute graft-versus-host disease with third party haploidentical mes...
  - Colter, David C; Clas...: Rapid expansion of recycling stem cells in cultures of plastic-adherent cells from huma...
  - DENNIS, JAMES E.; ...: Origin and Differentiation of Human and Murine Stroma
  - Eberidge, S. Leah; ...: Expression Profiling and Functional Analysis of Wnt Signaling Mechanisms in Mesenchym...
  - Fang, Baijun; Li, Ni...: Cotransplantation of haploidentical mesenchymal stem cells enhance engraft...
  - Gronthos, S; Grave...: The STRO-1+ fraction of adult human bone marrow contains the osteogenic precursors
- Right Pane (Details):** Shows details for the selected article 'Articles Mesenchymal stem cells for treatment of steroid-resistant, severe, acute graft-versus-host disease: a phase II study'. It includes the authors 'K. Blanc, F. Frassoni, L. Ball et al.', the journal 'The Lancet', volume '371', issue, and pages '1579-1586'. It also features an 'Abstract' section and 'Keywords' such as 'autoimmune; GVHD; MSC'.

Overlaid on the screenshot are five semi-transparent grey boxes with white text and arrows pointing to specific features:

- Создание и изменение групп статей** (Creation and modification of article groups): Points to the 'MSC Biology' folder in the left pane.
- Просмотр документов в библиотеке** (Viewing documents in the library): Points to a document entry in the center pane.
- Редактирование библиографической информации** (Editing bibliographic information): Points to the 'Details' pane on the right.
- Фильтрация библиотеки по тегам, автору, журналу** (Filtering the library by tags, author, journal): Points to the 'Filter by My Tags' section in the left pane.
- Создание и изменение групп статей** (Creation and modification of article groups): Points to the 'CiteULike' folder in the left pane.



File Edit View Tools Help

- Add Files... Ctrl+O
- Add Folder... Ctrl+Shift+O
- Watch Folder...
- Add Entry Manually...
- Export... Ctrl+E
- Delete Documents
- Remove from Collection
- Rename Document Files...
- Synchronize Library F5
- Quit Ctrl+Q

Для пополнения библиотеки предложены разные варианты:

- Добавить файл или целую папку
- “Просматривать папку” для авто-импорта PDF
- Перетащить статью в Mendeley Desktop

Mendeley попытается распознать всю информацию о статье автоматически

Также есть возможность:

- Добавлять существующие EndNote/BibTeX/RIS базы данных
- Синхронизации с LaTeX
- Добавлять статьи с сайта проекта

Articles Mesenchymal stem cells for treatment of steroid-resistant, severe, acute graft-versus-host disease: a phase II study

Authors: K. Blanc, F. Frassoni, L. Ball et al.

Journal: *The Lancet*

Year: 2008

Volume: 371

Issue:

Pages: 1579-1586

Abstract:

Tags:

Keywords: autoimmune; GVHD; MSC

Citation Key: Blanc2008

Author	Title	Year	Journal	Date Added
Ball, L; Bredius, R; L...	Third party mesenchymal stromal cell infusions fail to induce tissue repair despite ...	2007	Leukemia	3/22/09
Barrett, A John; Leb...	Prophylaxis of acute GVHD: manipulate the graft or the environment?	2008	Best Practice & Research	4/5/09
Bianco, Paolo; RIMI...	Bone Marrow Stromal Stem Cells: Nature, Biology, and Potential Applications	2001	Stem Cells	3/7/09
Blanc, Katanna Le; ...	Articles Mesenchymal stem cells for treatment of steroid-resistant, severe, acute graft-ve...	2008	The Lancet	4/5/09
	graft-versus-host disease with third party haploidentical mese...	2004	The Lancet	4/5/09
	and Stromal Cells 1	2000	Proc. Natl. Acad. Sc. U...	3/7/09
	rapid expansion of recycling stem cells in cultures of pluripotent stem cells from huma...	2002	Stem Cells	3/7/09
	Origin and Differentiation of Human and	2002	Stem Cells	3/7/09
	Expression Profiling and Functional Analysis of Wnt Signaling Mechanisms in Mesenchym...	2004	Stem Cells	3/22/09
Fang, Baijun; Li, Nin...	Cotransplantation of haploidentical mesenchymal stem cells to enhance engraft...	2009	Pediatric transplantation	7/10/09



Details Notes

Year: 2008

Volume: 371

Issue:

Pages: 1579-1586

**Abstract:**

**Tags:**

**Keywords:**  
autoimmune; GVHD; MSC

**Citation Key:**  
Blanc2008

**URL:**  
Add URL...

**Catalog IDs**

ArXiv ID:

DOI:

Недостающая информация скачивается из Интернета

Введите DOI, PubMed, или ArXiv ID и нажмите на увеличительное стекло



Details Notes

haemopoietic-stem-cell transplantation. METHODS: Patients with steroid-resistant, severe, acute GVHD were treated with mesenchymal stem cells, derived with the European Group for Blood and Marrow Transplantation ex-vivo expansion procedure, in a multicentre, phase II experimental study. We recorded response, transplantation-related deaths, and other adverse events for up to 60 months' follow-up from infusion of the cells. FINDINGS: Between October, 2001, and October, 2004, 55 patients were treated. The

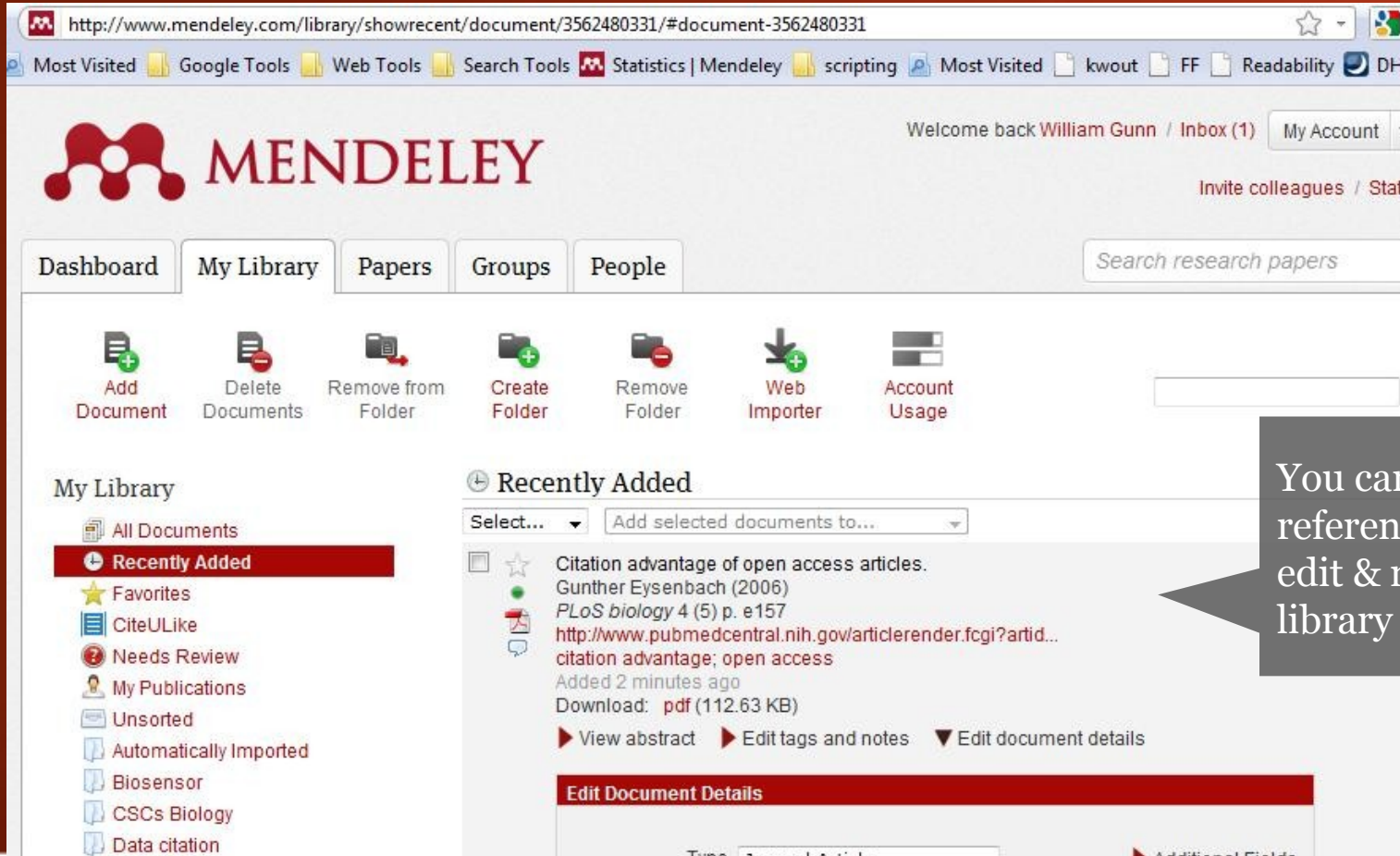
**Tags:**

**Keywords:**  
Adult; Child; Female; Follow-Up Studies; Graft vs Host Disease; Graft vs Host Disease: classification; Graft vs Host Disease: mortality; Graft vs Host Disease: therapy; Hematopoietic Stem Cell Transplantation; Hematopoietic Stem Cell Transplantation: adverse effects; Histocomp...

**Citation Key:**  
Blanc2008

**URL:**  
 <http://www.ncbi.nlm.nih.gov/pubmed/18468541> 

Add URL...



<http://www.mendeley.com/library/showrecent/document/3562480331/#document-3562480331>

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- CSCs Biology
- Data citation

**Recently Added**

Select... Add selected documents to...

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*PLoS biology* 4 (5) p. e157  
<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid...>  
 citation advantage; open access  
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# Управление документами и ссылками

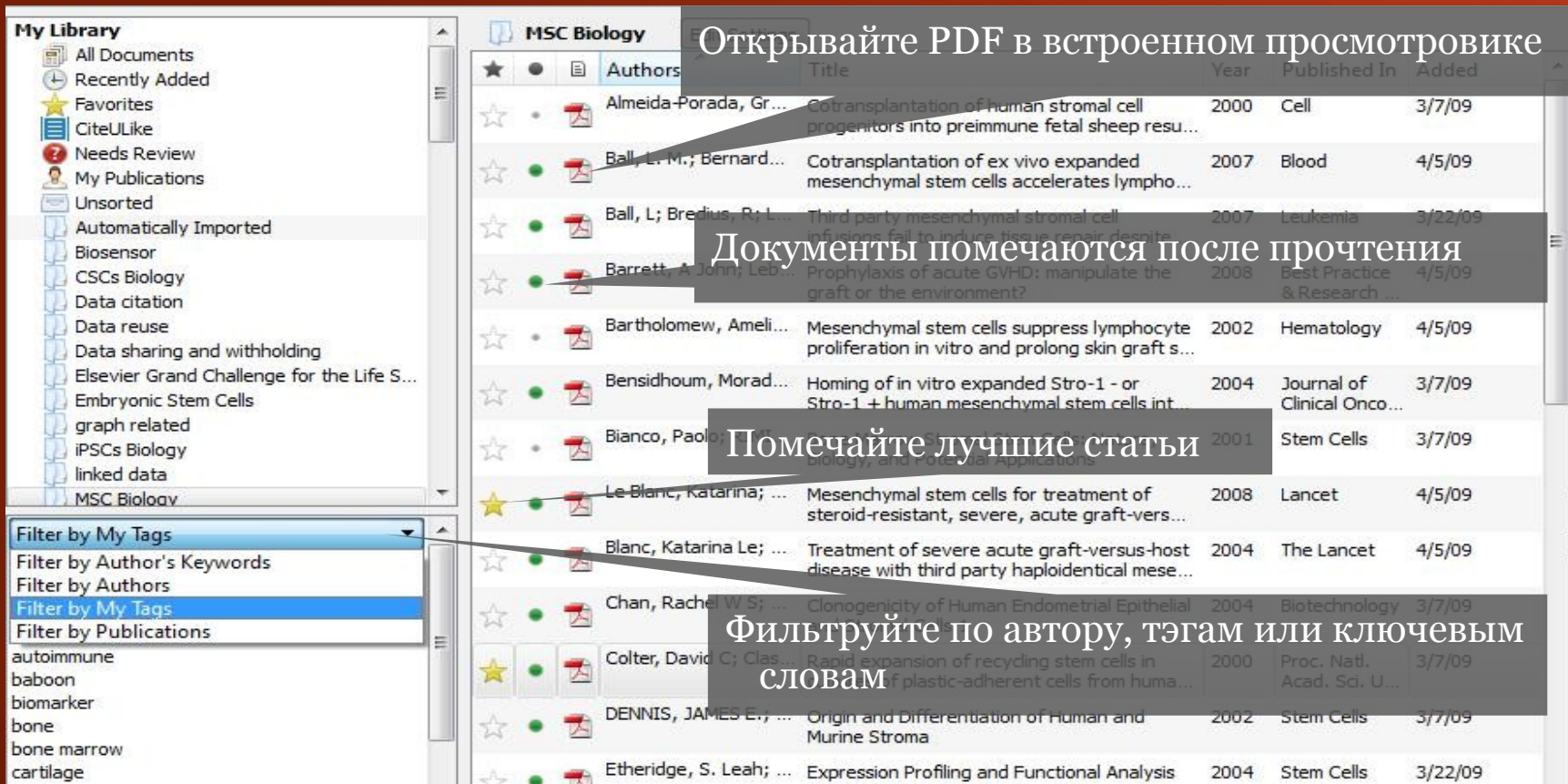
# Управляйте своей библиотекой

Открывайте PDF в встроенном просмотре

Документы помечаются после прочтения

Помечайте лучшие статьи

Фильтруйте по автору, тэгам или ключевым словам



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- Biosensor
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- Data citation
- Data reuse
- Data sharing and withholding
- Elsevier Grand Challenge for the Life S...
- Embryonic Stem Cells
- graph related
- iPSCs Biology
- linked data
- MSC Biology

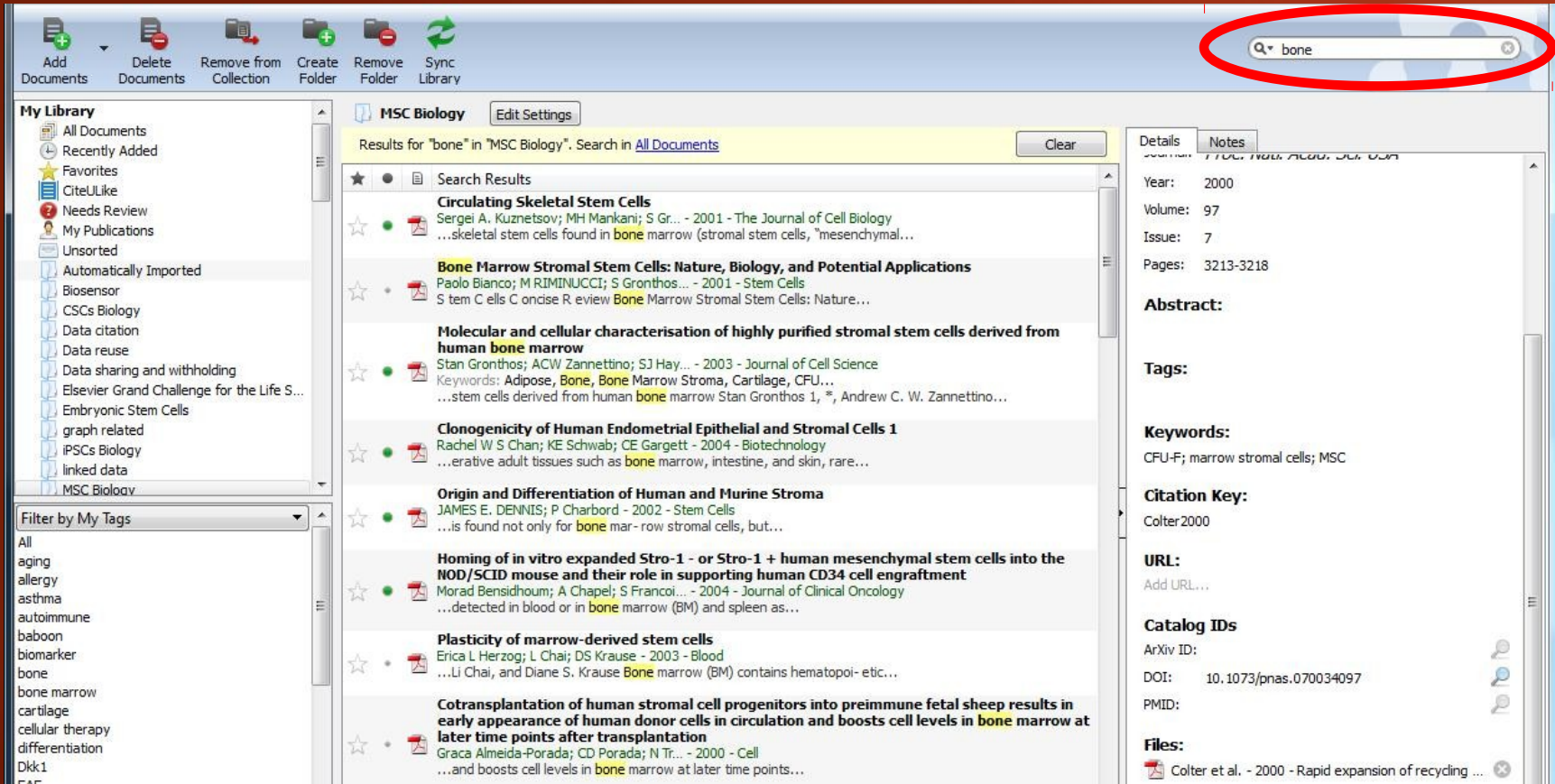
**MSC Biology**

Star	PDF	Authors	Title	Year	Published In	Added
☆	📄	Almeida-Porada, Gr...	Cotransplantation of human stromal cell progenitors into preimmune fetal sheep resu...	2000	Cell	3/7/09
☆	📄	Ball, L. M.; Bernard...	Cotransplantation of ex vivo expanded mesenchymal stem cells accelerates lympho...	2007	Blood	4/5/09
☆	📄	Ball, L; Bredius, R; L...	Third party mesenchymal stromal cell... infused cell to induce the generation of...	2007	Leukemia	3/22/09
☆	📄	Barrett, A John; LeB...	Prophylaxis of acute GVHD: manipulate the graft or the environment?	2008	Best Practice & Research ...	4/5/09
☆	📄	Bartholomew, Ameli...	Mesenchymal stem cells suppress lymphocyte proliferation in vitro and prolong skin graft s...	2002	Hematology	4/5/09
☆	📄	Bensidhoum, Morad...	Homing of in vitro expanded Stro-1 - or Stro-1 + human mesenchymal stem cells int...	2004	Journal of Clinical Onco...	3/7/09
☆	📄	Bianco, Paolo	biology and potential applications	2001	Stem Cells	3/7/09
★	📄	Le Blanc, Katarina; ...	Mesenchymal stem cells for treatment of steroid-resistant, severe, acute graft-vers...	2008	Lancet	4/5/09
☆	📄	Blanc, Katarina Le; ...	Treatment of severe acute graft-versus-host disease with third party haploidentical mese...	2004	The Lancet	4/5/09
☆	📄	Chan, Rachel W S; ...	Clonogenicity of Human Endometrial Epithelial	2004	Biotechnology	3/7/09
★	📄	Colter, David C; Clas...	Rapid expansion of recycling stem cells in of plastic-adherent cells from huma...	2000	Proc. Natl. Acad. Sc. U...	3/7/09
☆	📄	DENNIS, JAMES E.; ...	Origin and Differentiation of Human and Murine Stroma	2002	Stem Cells	3/7/09
☆	📄	Etheridge, S. Leah; ...	Expression Profiling and Functional Analysis	2004	Stem Cells	3/22/09

**Filter by My Tags**

- Filter by Author's Keywords
- Filter by Authors
- Filter by My Tags
- Filter by Publications

- autoimmune
- baboon
- biomarker
- bone
- bone marrow
- cartilage



Add Documents Delete Documents Remove from Collection Create Folder Remove Folder Sync Library

**My Library**  
 All Documents  
 Recently Added  
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 CSCs Biology  
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 Data sharing and withholding  
 Elsevier Grand Challenge for the Life S...  
 Embryonic Stem Cells  
 graph related  
 iPSCs Biology  
 linked data  
 MSC Biology

Filter by My Tags  
 All  
 aging  
 allergy  
 asthma  
 autoimmune  
 baboon  
 biomarker  
 bone  
 bone marrow  
 cartilage  
 cellular therapy  
 differentiation  
 Dkk1  
 EAE

**MSC Biology** Edit Settings  
 Results for "bone" in "MSC Biology". Search in [All Documents](#) Clear

**Search Results**  
**Circulating Skeletal Stem Cells**  
 Sergei A. Kuznetsov; MH Mankani; S Gr... - 2001 - The Journal of Cell Biology  
 ...skeletal stem cells found in **bone** marrow (stromal stem cells, "mesenchymal...

**Bone Marrow Stromal Stem Cells: Nature, Biology, and Potential Applications**  
 Paolo Bianco; M RIMINUCCI; S Gronthos... - 2001 - Stem Cells  
 S tem C ells C oncise R eview **Bone** Marrow Stromal Stem Cells: Nature...

**Molecular and cellular characterisation of highly purified stromal stem cells derived from human bone marrow**  
 Stan Gronthos; ACW Zannettino; SJ Hay... - 2003 - Journal of Cell Science  
 Keywords: Adipose, **Bone**, **Bone** Marrow Stroma, Cartilage, CFU...  
 ...stem cells derived from human **bone** marrow Stan Gronthos 1, \*, Andrew C. W. Zannettino...

**Clonogenicity of Human Endometrial Epithelial and Stromal Cells 1**  
 Rachel W S Chan; KE Schwab; CE Gargett - 2004 - Biotechnology  
 ...erative adult tissues such as **bone** marrow, intestine, and skin, rare...

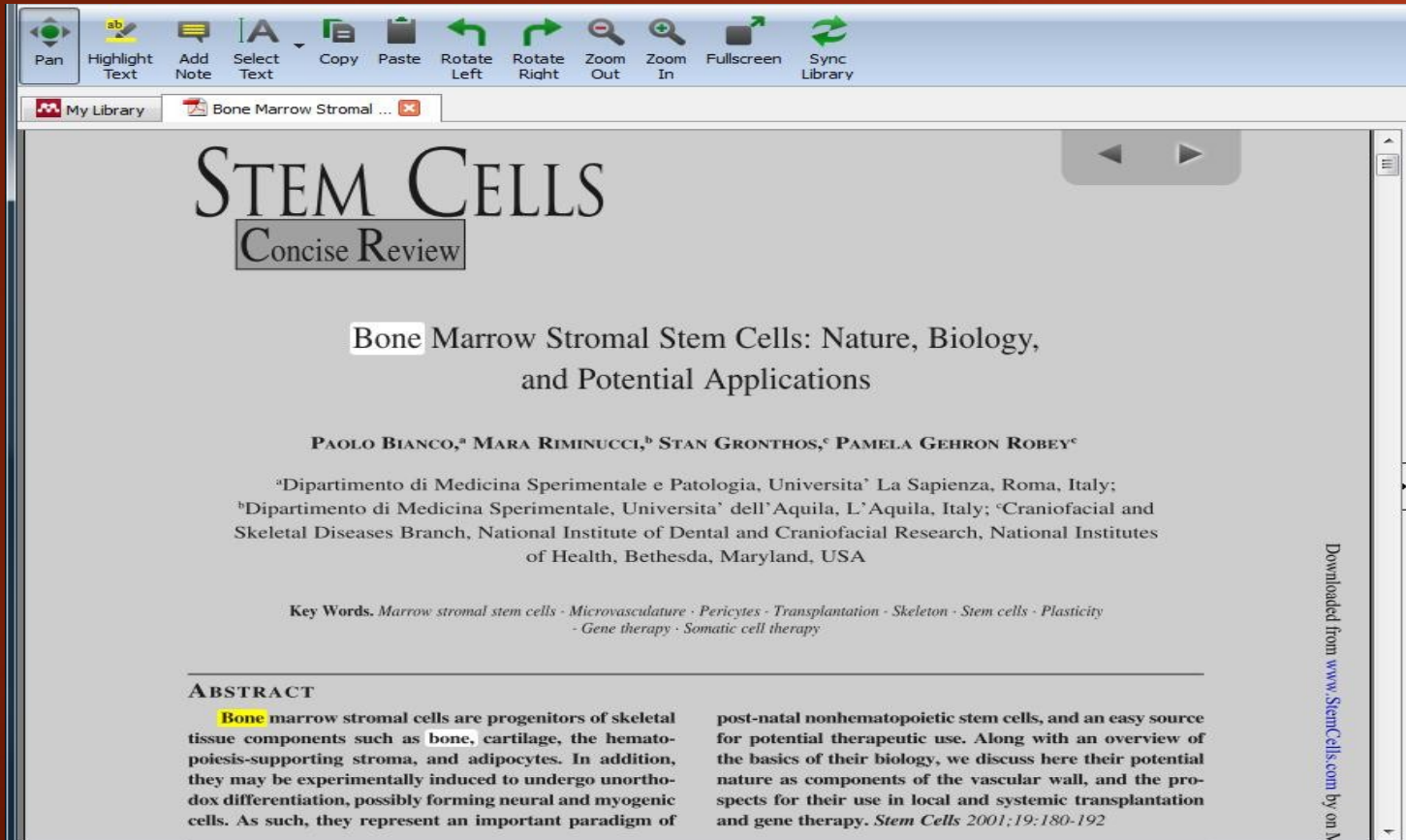
**Origin and Differentiation of Human and Murine Stroma**  
 JAMES E. DENNIS; P Charbord - 2002 - Stem Cells  
 ...is found not only for **bone** mar- row stromal cells, but...

**Homing of in vitro expanded Stro-1 - or Stro-1 + human mesenchymal stem cells into the NOD/SCID mouse and their role in supporting human CD34 cell engraftment**  
 Morad Bensidhoum; A Chapel; S Francoi... - 2004 - Journal of Clinical Oncology  
 ...detected in blood or in **bone** marrow (BM) and spleen as...

**Plasticity of marrow-derived stem cells**  
 Erica L Herzog; L Chai; DS Krause - 2003 - Blood  
 ...Li Chai, and Diane S. Krause **Bone** marrow (BM) contains hematopoi-etic...

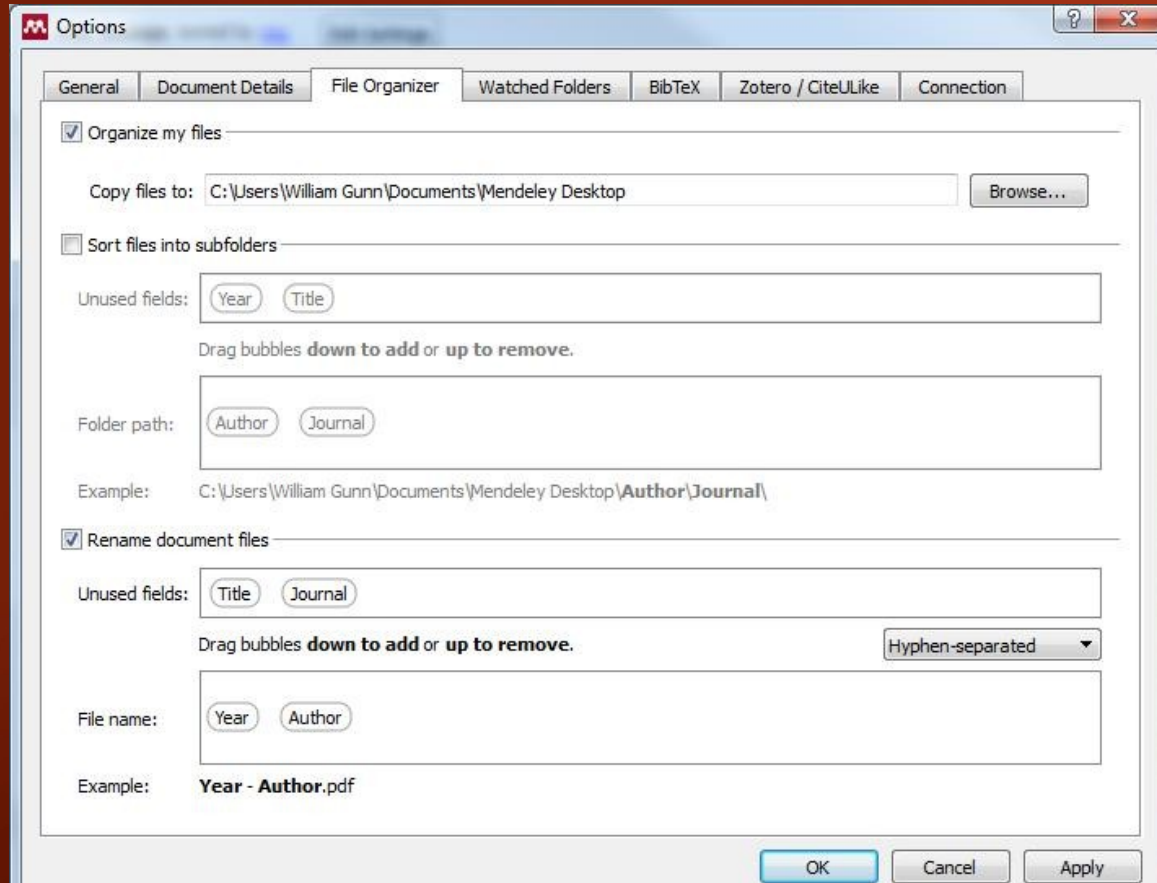
**Cotransplantation of human stromal cell progenitors into preimmune fetal sheep results in early appearance of human donor cells in circulation and boosts cell levels in bone marrow at later time points after transplantation**  
 Graca Almeida-Porada; CD Porada; N Tr... - 2000 - Cell  
 ...and boosts cell levels in **bone** marrow at later time points...

**Details** **Notes**  
 Year: 2000  
 Volume: 97  
 Issue: 7  
 Pages: 3213-3218  
**Abstract:**  
**Tags:**  
**Keywords:**  
 CFU-F; marrow stromal cells; MSC  
**Citation Key:**  
 Colter2000  
**URL:**  
 Add URL...  
**Catalog IDs**  
 ArXiv ID:  
 DOI: 10.1073/pnas.070034097  
 PMID:  
**Files:**  
 Colter et al. - 2000 - Rapid expansion of recycling ...



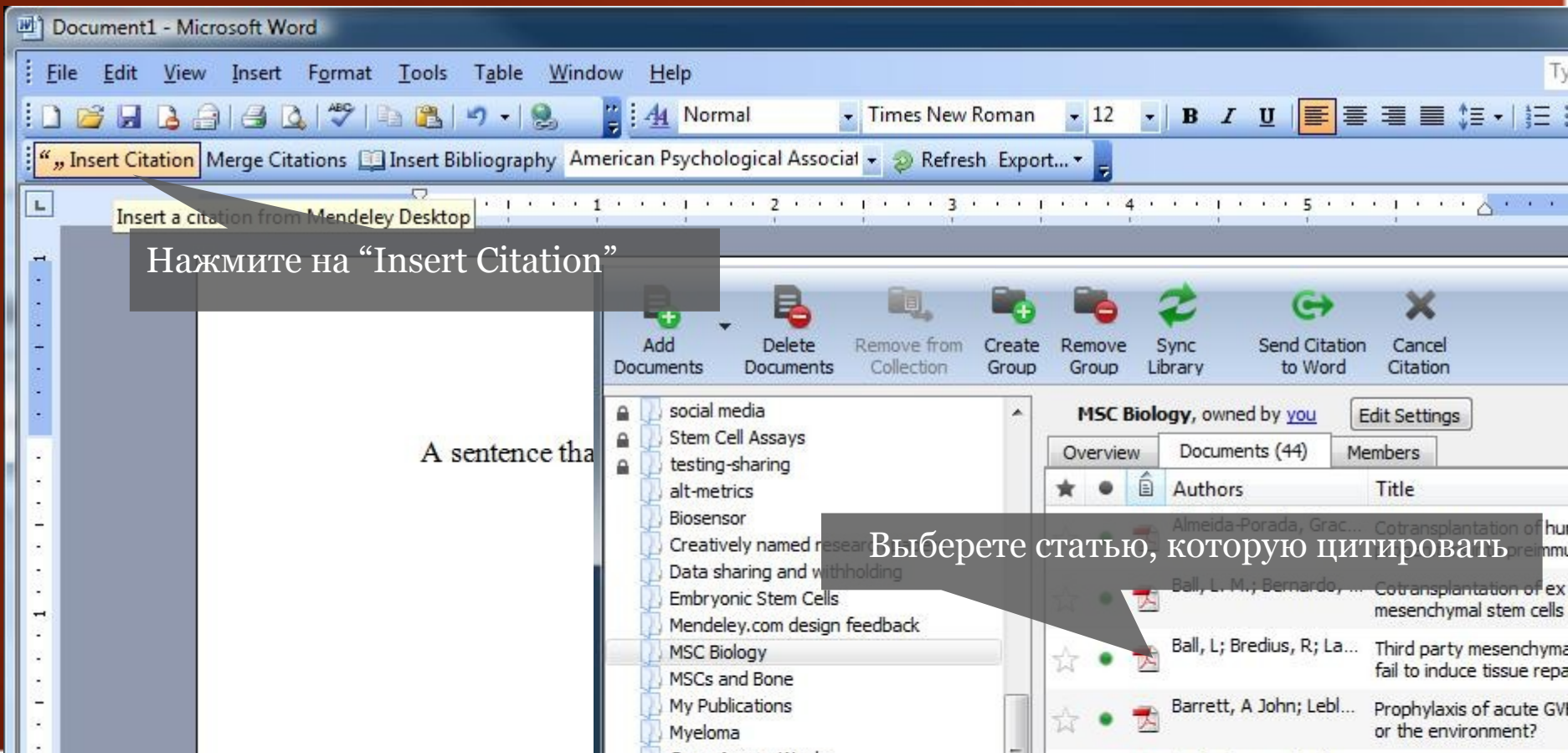
The screenshot shows a PDF viewer interface with a toolbar at the top containing icons for Pan, Highlight Text, Add Note, Select Text, Copy, Paste, Rotate Left, Rotate Right, Zoom Out, Zoom In, Fullscreen, and Sync Library. Below the toolbar, there are two tabs: 'My Library' and 'Bone Marrow Stromal ...'. The main content area displays the journal title 'STEM CELLS' in a large serif font, followed by 'Concise Review' in a smaller font. The article title 'Bone Marrow Stromal Stem Cells: Nature, Biology, and Potential Applications' is centered below. The authors are listed as 'PAOLO BIANCO,<sup>a</sup> MARA RIMINUCCI,<sup>b</sup> STAN GRONTHOS,<sup>c</sup> PAMELA GEHRON ROBEY<sup>c</sup>'. Below the authors, their affiliations are provided: <sup>a</sup>Dipartimento di Medicina Sperimentale e Patologia, Universita' La Sapienza, Roma, Italy; <sup>b</sup>Dipartimento di Medicina Sperimentale, Universita' dell'Aquila, L'Aquila, Italy; <sup>c</sup>Craniofacial and Skeletal Diseases Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, Maryland, USA. The 'Key Words' section lists: Marrow stromal stem cells · Microvasculature · Pericytes · Transplantation · Skeleton · Stem cells · Plasticity · Gene therapy · Somatic cell therapy. The 'ABSTRACT' section begins with: 'Bone marrow stromal cells are progenitors of skeletal tissue components such as bone, cartilage, the hematopoiesis-supporting stroma, and adipocytes. In addition, they may be experimentally induced to undergo unorthodox differentiation, possibly forming neural and myogenic cells. As such, they represent an important paradigm of post-natal nonhematopoietic stem cells, and an easy source for potential therapeutic use. Along with an overview of the basics of their biology, we discuss here their potential nature as components of the vascular wall, and the prospects for their use in local and systemic transplantation and gene therapy. *Stem Cells* 2001;19:180-192'. A vertical watermark on the right side reads 'Downloaded from www.StemCells.com by on X'.







# Цитирование статей и общие библиотеки



Document1 - Microsoft Word

File Edit View Insert Format Tools Table Window Help

Normal Times New Roman 12 B I U

„Insert Citation Merge Citations Insert Bibliography American Psychological Associat Refresh Export...

Insert a citation from Mendeley Desktop

Нажмите на “Insert Citation”

A sentence tha

Add Documents Delete Documents Remove from Collection Create Group Remove Group Sync Library Send Citation to Word Cancel Citation

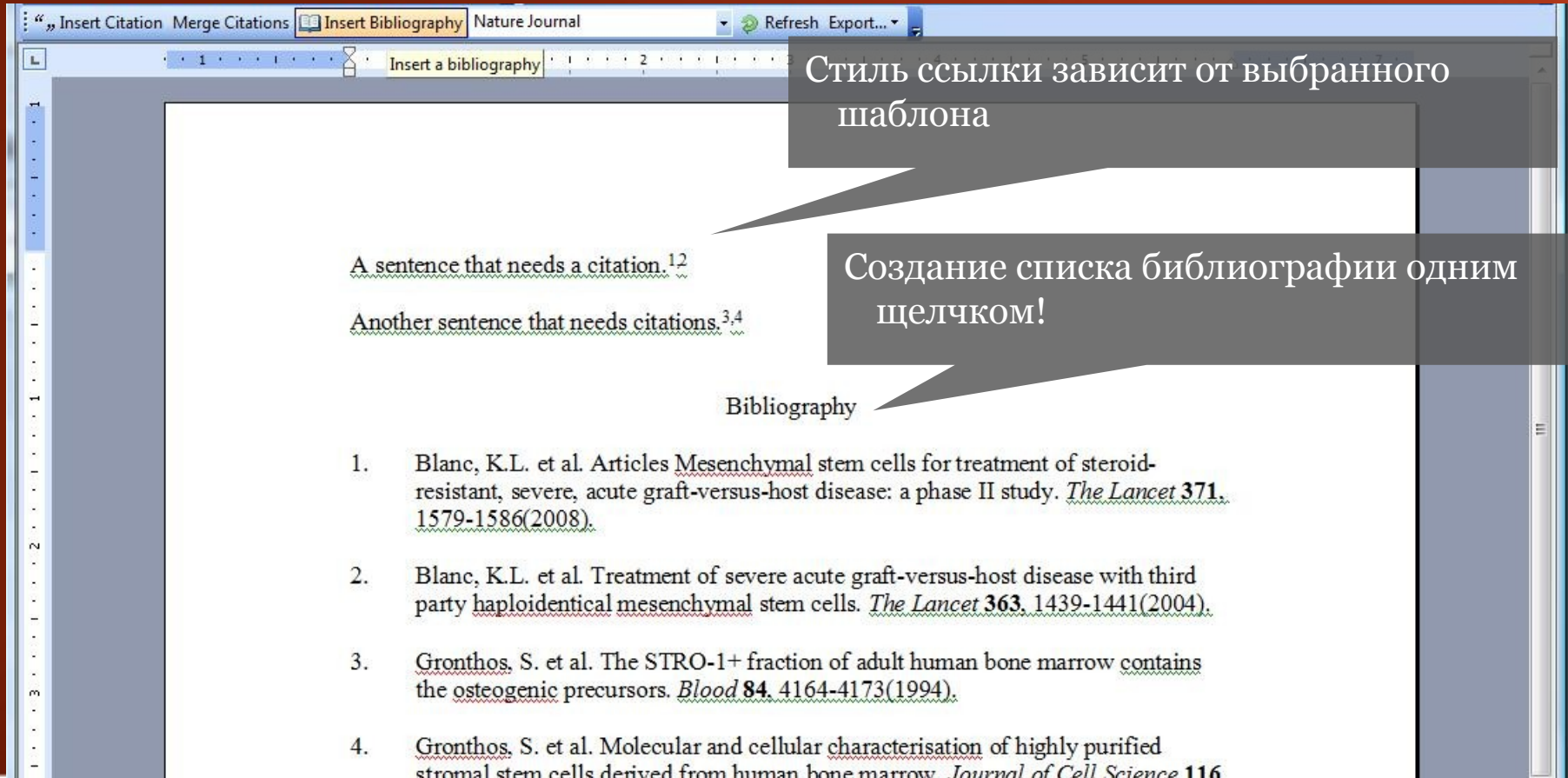
social media Stem Cell Assays testing-sharing alt-metrics Biosensor Creatively named research Data sharing and withholding Embryonic Stem Cells Mendeley.com design feedback MSC Biology MSCs and Bone My Publications Myeloma

MSC Biology, owned by you Edit Settings

Overview Documents (44) Members

Authors	Title
Almeida-Porada, Grac...	Cotransplantation of hu...
Ball, L. M.; Bernardo, ...	Cotransplantation of ex...
Ball, L; Bredius, R; La...	Third party mesenchyma...
Barrett, A John; Lebl...	Prophylaxis of acute GV...

Выберете статью, которую цитировать



« » Insert Citation Merge Citations **Insert Bibliography** Nature Journal Refresh Export...

1 2

Insert a bibliography

Стиль ссылки зависит от выбранного шаблона

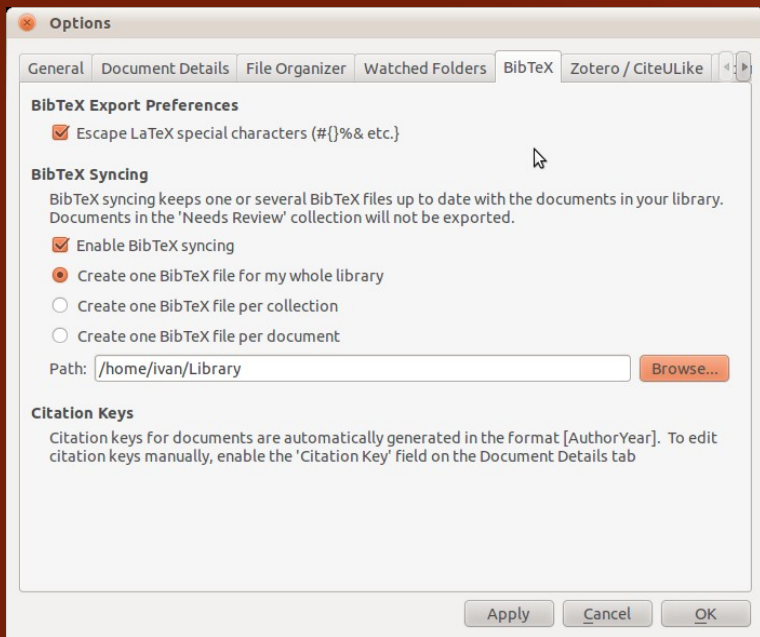
A sentence that needs a citation <sup>1,2</sup>

Another sentence that needs citations <sup>3,4</sup>

Создание списка библиографии одним щелчком!

Bibliography

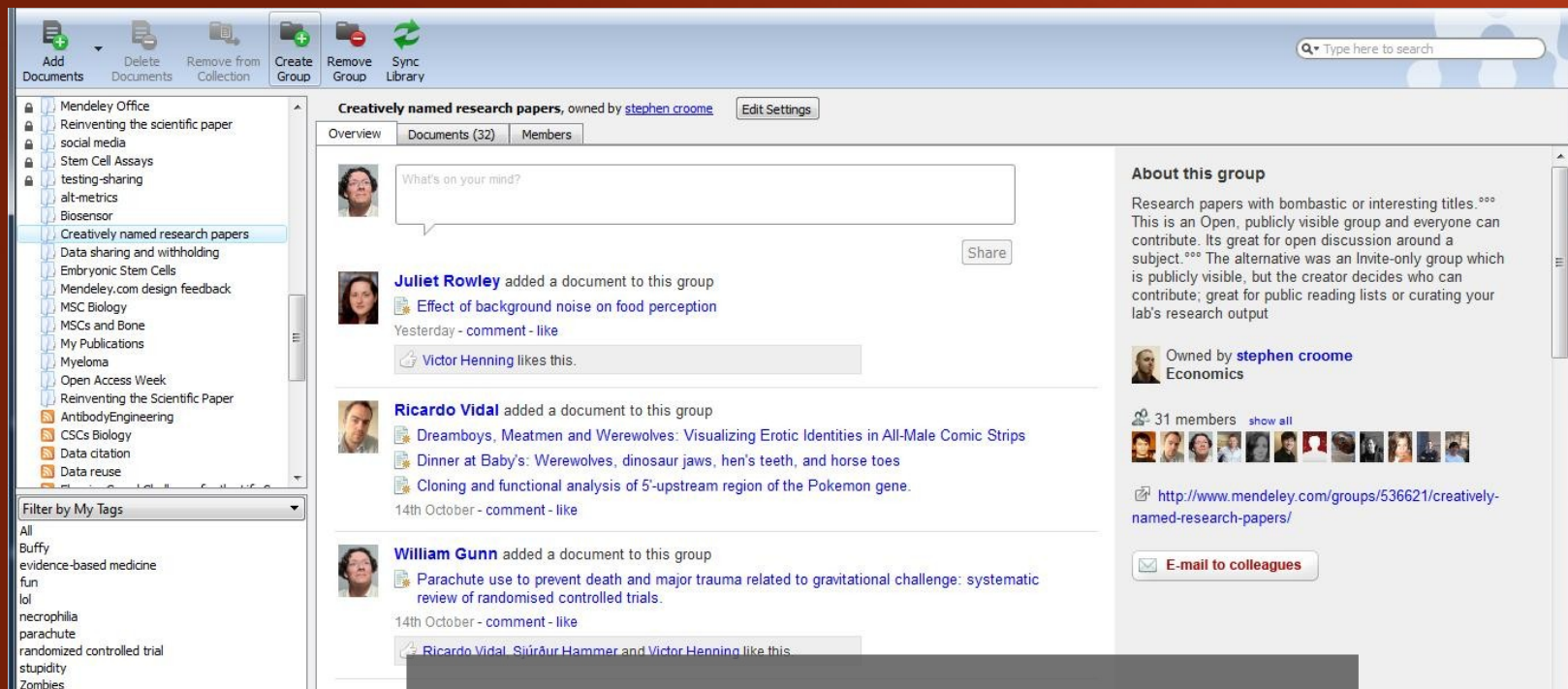
1. Blanc, K.L. et al. Articles Mesenchymal stem cells for treatment of steroid-resistant, severe, acute graft-versus-host disease: a phase II study. The Lancet **371**, 1579-1586(2008).
2. Blanc, K.L. et al. Treatment of severe acute graft-versus-host disease with third party haploidentical mesenchymal stem cells. The Lancet **363**, 1439-1441(2004).
3. Gronthos, S. et al. The STRO-1+ fraction of adult human bone marrow contains the osteogenic precursors. Blood **84**, 4164-4173(1994).
4. Gronthos, S. et al. Molecular and cellular characterisation of highly purified stromal stem cells derived from human bone marrow. Journal of Cell Science **116**



```
@article{Vorobjev1997,
author = {Vorobjev, IA and Svitkina, TM and Borisy, GG},
file = {:home/ivan/Library/Vorobjev, Svitkina, Borisy\_1997.pdf:pdf},
journal = {Journal of Cell Science},
number = {21},
pages = {2635--2645},
publisher = {Co Bio},
title = {{Cytoplasmic assembly of microtubules in cultured cells}},
url = {http://jcs.biologists.org/cgi/content/abstract/110/21/2635},
volume = {110},
year = {1997}
}
```

## Список литературы

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- [3] Дэвисон С., Левин Д. Поверхностные (Таммовские) состояния. — М: Мир, 1973. — С. 232.
- [4] Шрёдинер Э. Квантование как задача о собственных значениях // Успехи физических наук. — 1926. — Т. 122, № 8. — С. 621–632.
- [5] Калиткин Н. Н. Численные методы. — М: Наука, 1978. — Т. 150.



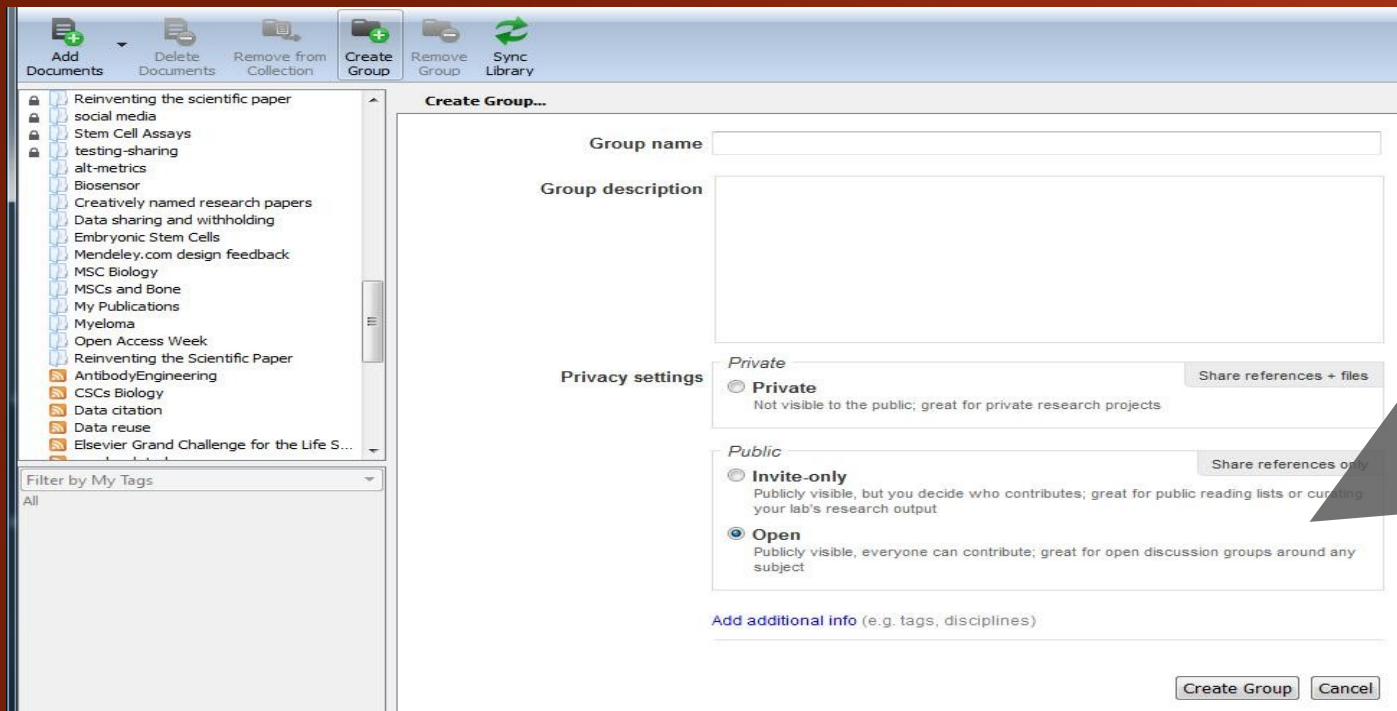
The screenshot shows the Mendeley interface for a group named "Creatively named research papers", owned by [stephen croome](#). The group has 32 documents and 31 members. The main content area displays a list of documents added by members:

- Juliet Rowley** added a document to this group: [Effect of background noise on food perception](#) (Yesterday - comment - like). [Victor Henning](#) likes this.
- Ricardo Vidal** added a document to this group: [Dreamboys, Meatmen and Werewolves: Visualizing Erotic Identities in All-Male Comic Strips](#), [Dinner at Baby's: Werewolves, dinosaur jaws, hen's teeth, and horse toes](#), and [Cloning and functional analysis of 5'-upstream region of the Pokemon gene.](#) (14th October - comment - like).
- William Gunn** added a document to this group: [Parachute use to prevent death and major trauma related to gravitational challenge: systematic review of randomised controlled trials.](#) (14th October - comment - like). [Ricardo Vidal](#), [Siirður Hammer](#), and [Victor Henning](#) like this.

The right sidebar contains an "About this group" section, stating: "Research papers with bombastic or interesting titles." "This is an Open, publicly visible group and everyone can contribute. Its great for open discussion around a subject." "The alternative was an Invite-only group which is publicly visible, but the creator decides who can contribute; great for public reading lists or curating your lab's research output". It also lists the owner as [stephen croome](#) (Economics) and provides a link to the group page: <http://www.mendeley.com/groups/536621/creatively-named-research-papers/>. There is also an "E-mail to colleagues" button.

Закрытые группы содержат полнотекстовые варианты статей, и описания.

# Создавайте группы Mendeley Desktop



**Create Group...**

Group name

Group description

Privacy settings

*Private*  **Private** Share references + files  
 Not visible to the public; great for private research projects

*Public*  **Invite-only** Share references only  
 Publicly visible, but you decide who contributes; great for public reading lists or curating your lab's research output

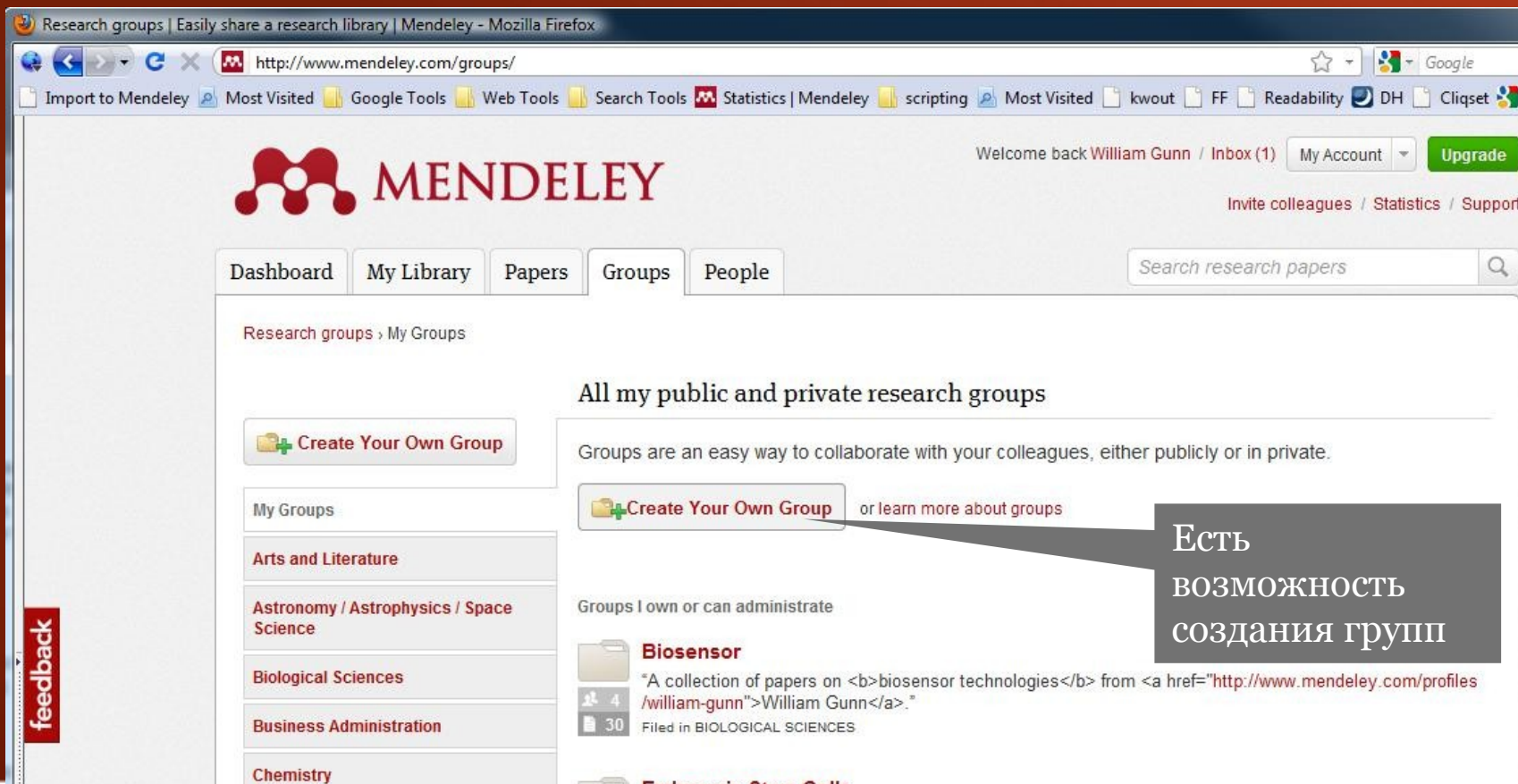
**Open**  
 Publicly visible, everyone can contribute; great for open discussion groups around any subject

Add additional info (e.g. tags, disciplines)

Create Group Cancel

В закрытых группах статьи доступны в полном варианте.

В открытых группах доступны только ссылки.



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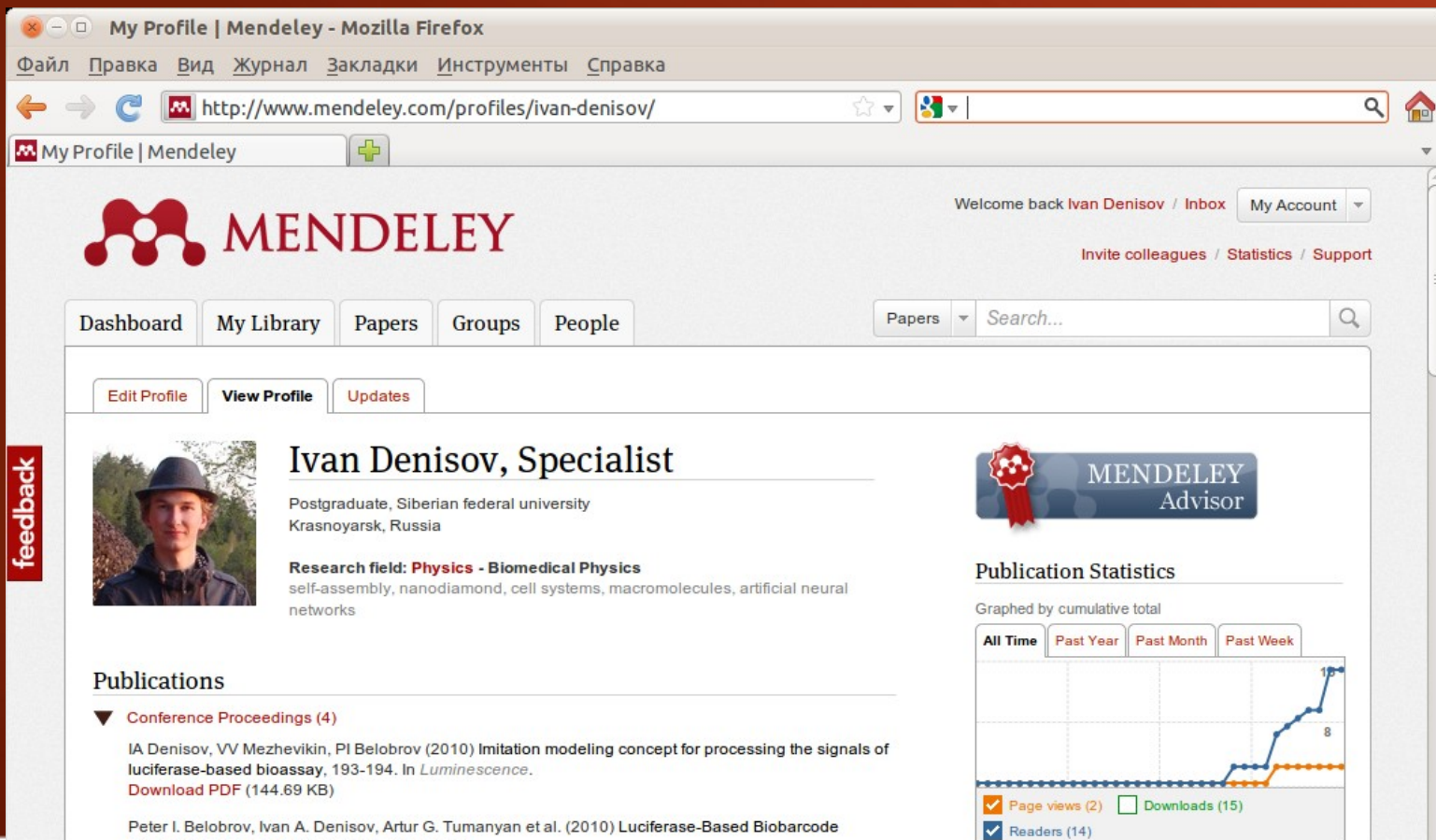
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Groups I own or can administrate

**Biosensor**  
"A collection of papers on <b>biosensor technologies</b> from <a href="http://www.mendeley.com/profiles/william-gunn">William Gunn</a>."  
4 members  
30 papers  
Filed in BIOLOGICAL SCIENCES

Есть возможность создания групп

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http://www.mendeley.com/profiles/ivan-denisov/

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## Ivan Denisov, Specialist

Postgraduate, Siberian federal university  
Krasnoyarsk, Russia

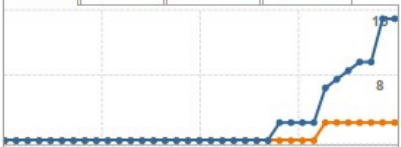
**Research field: Physics - Biomedical Physics**  
self-assembly, nanodiamond, cell systems, macromolecules, artificial neural networks



### Publication Statistics

Graphed by cumulative total

All Time Past Year Past Month Past Week



10  
8

### Publications

▼ Conference Proceedings (4)

IA Denisov, VV Mezhevikin, PI Belobrov (2010) Imitation modeling concept for processing the signals of luciferase-based bioassay, 193-194. In *Luminescence*.  
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Peter I. Belobrov, Ivan A. Denisov, Artur G. Tumanyan et al. (2010) Luciferase-Based Biobarcode

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Hsi-Allen (2000)

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## RNA-Seq: a revolutionary tool for transcriptomics.

Zhong Wang, Mark Gerstein, Michael Snyder

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Nature Reviews Genetics (2009)

Volume: 10, Issue: 1, Publisher: Nature Publishing Group, Pages: 57-63  
 PubMed ID: 19015660

Available from [www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov)

### Tags

[ngs](#) [review](#) [rnaseq](#) [rna-seq](#) [transcriptome](#)

### Abstract

RNA-Seq is a recently developed approach to transcriptome profiling that uses deep-sequencing technologies. Studies using this method have already altered our view of the extent and complexity of eukaryotic transcriptomes. RNA-Seq also provides a far more precise measurement of levels of transcripts and their isoforms than other methods. This article describes the RNA-Seq approach, the challenges associated with its application, and the advances made so far in characterizing several eukaryote


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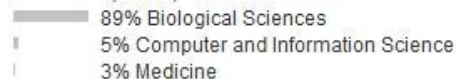
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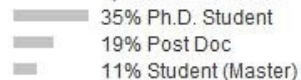
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