

PubMed Parser

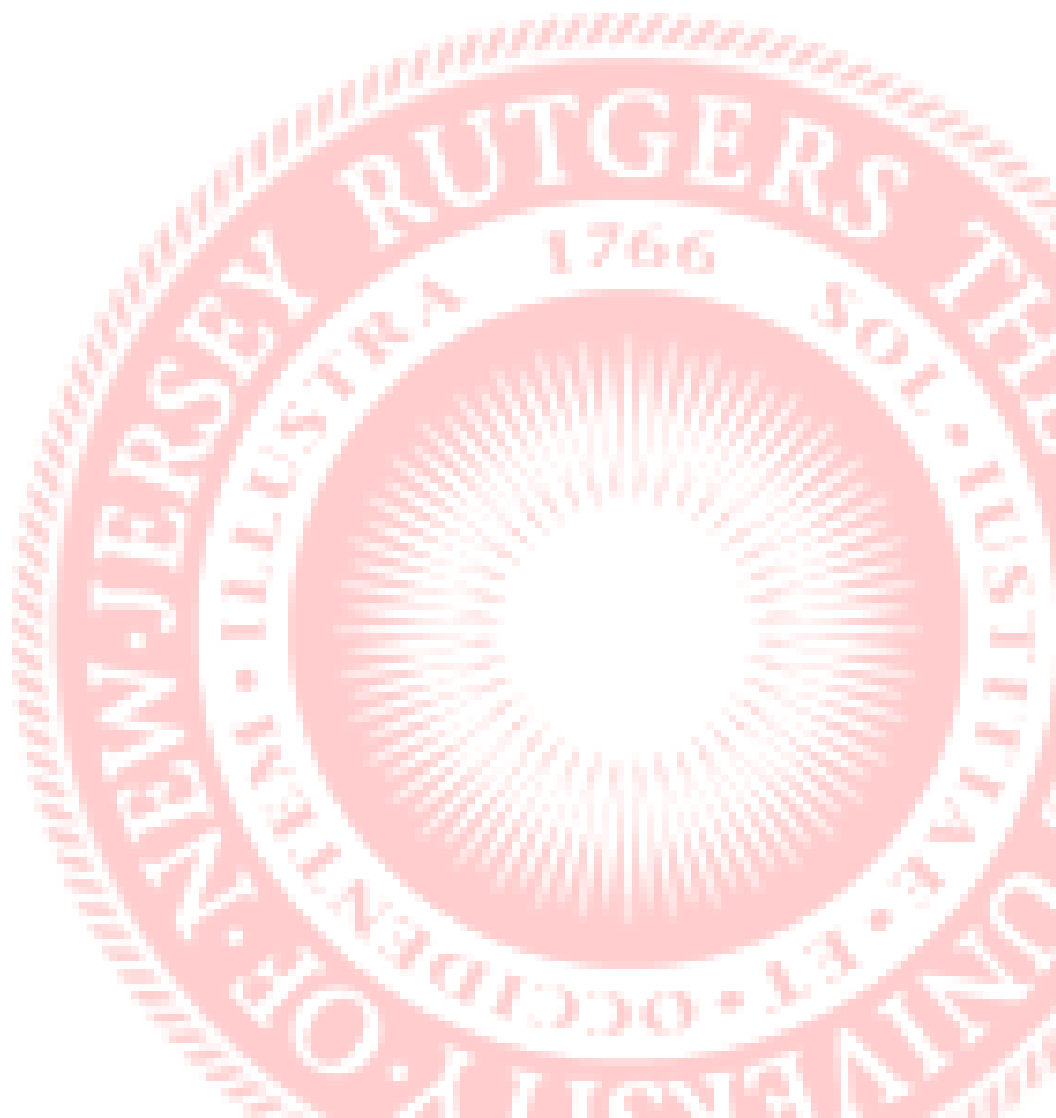
<http://secure.sas.rutgers.edu/apps/pubmedparser/admin>

User's Guide

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Revision Sheet

Release No.	Date	Revision Description
1.0	10/01/13	Initial version - displays citations
1.1	01/15/13	JSON API written for interfacing with departmental websites
1.3.1	02/27/13	User-friendly admin control panel added
1.3.3	03/20/13	Resolves bugs, adds additional options for Web Interfaces
1.4.4	04/11/13	Added populate by PMID, PMCID support, changed refresh behavior
1.4.7	05/30/13	Added external CSS support for web developers



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Table of Contents

1.0	GENERAL INFORMATION	1-1
1.1	System Overview	1-1
1.2	Requirements	1-1
1.3	Getting help	1-2
1.4	Organization of this User Guide	1-2
2.0	GETTING STARTED.....	2-1
2.1	Users Classifications.....	2-1
2.2.1	Authors	2-1
2.2.2	Departmental Administrators	2-1
2.2.3	System Administrators	2-1
2.2	Logging On.....	2-1
2.3	Navigation	2-2
2.3.1	Navigation Bar	2-2
2.3.2	Searching, Limiting Entries, and Sorting	2-2
2.4	Sections of Program	2-3
3.0	AUTHOR PROFILES	3-2
3.1	General Information	3-2
3.1.1	What is an Author Profile?	3-2
3.1.2	What is a PubMed Search String?.....	3-2
3.2	Important Attributes/Features of Author Profiles.....	3-2
3.2.1	Name, Department, PubMed Search String	3-2
3.2.2	What is the difference between an <i>Author</i> and Author Profile?	3-3
3.2.3	Assigning Access to Users	3-3
3.2.4	Enabling the author	3-3
3.3	Adding Author Profiles.....	3-3
3.4	Managing Author Profiles	3-7
3.4.1	Editing Author Profiles	3-7
3.4.2	Deleting Author Profiles	3-8
4.0	Publications.....	4-2
4.1	General Information	4-2
4.1.1	How are publications entered into PubMed Parser?	4-2
4.2	Important Attributes/Features of Publications	4-2
4.2.1	Synced With PubMed	4-2
4.2.2	Visibility	4-2
4.2.3	Citation	4-3
4.2.4	DOI Number	4-3
4.2.5	Populate by PMID	4-3
4.3	Manually Adding Publications.....	4-3

4.4	Managing Publications.....	4-6
4.4.1	Searching and filtering publications.....	4-7
4.5	Notes on Modifying Publications	4-7
4.6	Notes on Deleting Publications Entered By PubMed.....	4-7
5.0	Users	5-2
5.1	General Information	5-2
5.1.1	What classes of user can I create?.....	5-2
5.1.2	How are users related to departments?.....	5-2
5.1.3	Can I add an existing user to my department?	5-2
5.2	Important Attributes/Features of Users.....	5-2
5.3	Adding a new user	5-3
5.4	Managing Users	5-5
5.4.1	Important Note on Modifying Users That Belong to Multiple Departments.....	5-5
5.4.2	Important Note on Deleting Users	5-5
6.0	DEPARTMENTS.....	6-1
6.1	General Information	6-1
6.1.1	What are the features and settings of a department?	6-1
6.2	Adding Departments	6-1
6.3	Managing Departments	6-2
7.0	INTEGRATION GUIDE FOR WEB DEVELOPERS	7-2
7.1	General Information	7-2
7.1.1	Requirements	7-2
7.1.2	JSON Interface for Retrieving Authors.....	7-2
7.1.3	Listing an author's publications	7-2
7.1.4	Listing an entire department's publications	7-4
7.1.5	Specifying an External CSS File.....	7-5

1.0 GENERAL INFORMATION

1.0 GENERAL INFORMATION

1.1 System Overview

PubMed Parser is a multi-departmental publication, author, and user, management system designed to accomplish the following:

- Manage, retrieve, and display publications from PubMed given details for multiple authors across multiple departments
- Allow for the customization and modification of publications retrieved by PubMed on a per-author basis.
- Separation of users into groups that allow overlapping levels of oversight and redundancy when managing publications in the system.
- Provide links to publication indexing services such as PubMed and the Rutgers Library to easily grant the maximum access permitted by law to publications for both university and non-university users.
- Simple integration with new and existing departmental websites via an iframe and JSON interface
- Maintain separate scopes for each author and department administrator – allowing users to modify and access their own information independently of one another and affecting records only related to their own department.

1.2 Requirements

In order to access the administrative panel of PubMed Parser, you will need:

- A valid Rutgers NetID and password – if you do not know your NetID or password, visit <http://netid.rutgers.edu> for assistance. If you have a SASCAS Identity, you may use that as well.
- Pre-authorization to use PubMed Parser (i.e. a departmental administrator or system administrator must explicitly grant you access to the system)
- A computer with internet access and a browser that supports JavaScript (Internet Explorer, Mozilla Firefox, Google Chrome, Safari)

In order to integrate PubMed Parser into your own departmental website, you will need:

- All items listed above and pre-approval from SAS-IT to add your department and authors to the system
- An API key that will grant you access to restricted sections of the website provided by SAS-IT once the above-mentioned approval is obtained
- A web-developer that is capable of including an iframe in your departmental website

1.3 Getting help

This application is supported by SAS-IT. If you have any issues with this application or have feature requests, please create a work order at <http://sasit.rutgers.edu/submit-a-workorder>. If you get to an error screen and an “instance number” is available, please include that in your request to assist the technician in solving your problem.

1.4 Organization of this User Guide

PubMed Parser is designed to handle three classes of user: System Administrators, Departmental Administrators, and Authors. Most users will fall into one of these categories and each section of the manual is labelled to better

1.0 General Information

This section contains a description of PubMed Parser and a listing of its features and capabilities.

2.0 Getting Started

This section contains information on how to log into PubMed Parser and briefly explains the different types of users in the system and the four main sections of the program.

3.0 Author Profiles (*All Users*)

This section contains detailed information on how to add and modify author profiles.

4.0 Publications (*All Users*)

This section contains detailed information on how to add and modify publications.

5.0 Users (*Departmental Administrators and System Administrators*)

This section contains detailed information on how to add and modify author profiles.

6.0 Departments (*Departmental Administrators and System Administrators*)

This section contains detailed information on how to add and modify departments.

7.0 Integration Guide for Web Developers

This section contains detailed information on how to integrate PubMed Parser into your departmental website.

2.0 GETTING STARTED

2.0 GETTING STARTED

To begin accessing PubMed Parser, go to <http://secure.sas.rutgers.edu/apps/pubmedparser/admin> in your internet browser. Make sure that you've been authorized to use this application by either SAS-IT Staff or a PubMed Parser departmental administrator.

From this point forward, this manual will address the three possible types of user – *Authors*, *Departmental Administrators*, and *System Administrators*. All users of this system will belong to at least one of these categories. It is important that you read sections related to your user class and sections that are marked as relevant to *All Users*.

2.1 Users Classifications

There are three classifications of users in this program. These classes are intended to be mutually exclusive, but there may be users who have multiple roles depending on your department's structure and personnel.

2.2.1 Authors

Authors are the standard user in PubMed Parser. They have the ability to update and modify *Author Profiles* (see Section 3.0) that have been assigned to them. This includes the ability to customize their display name and PubMed search string, as well as create, hide, modify, and delete their own publications. They cannot create new author profiles, assign access, or modify settings that apply to the entire department. An author may be affiliated with multiple departments– in which case they would have multiple author profiles.

2.2.2 Departmental Administrators

Departmental Administrators have full access to all authors within their assigned department. At the time of this writing, departmental administrators may only be assigned to a single department. They have the ability to create and modify publications, author profiles, users, and settings that apply to their department. Departmental Administrators are not able to see or make changes to anything outside their own department.

2.2.3 System Administrators

System Administrators have global access to all available options within PubMed Parser as well access to all publication, author profiles, users, and settings across all departments. In addition, System Administrators are able to create new departmental administrators and transfer users and authors from one department to another. System Administrators are assigned to a global department called 'SAS'.

2.2 Logging On

You will be presented with the standard SAS NetID login screen. Log-in using your Rutgers NetID (or SASCAS Identity if you do not have a Rutgers NetID) and password. Upon successful login, you should be directed to the entry page listed below:

Troubleshooting issues you may encounter with your Rutgers NetID or any features that are common to all SASIT web applications are beyond the scope of this documentation. Please refer to your SAS IT contact for assistance.

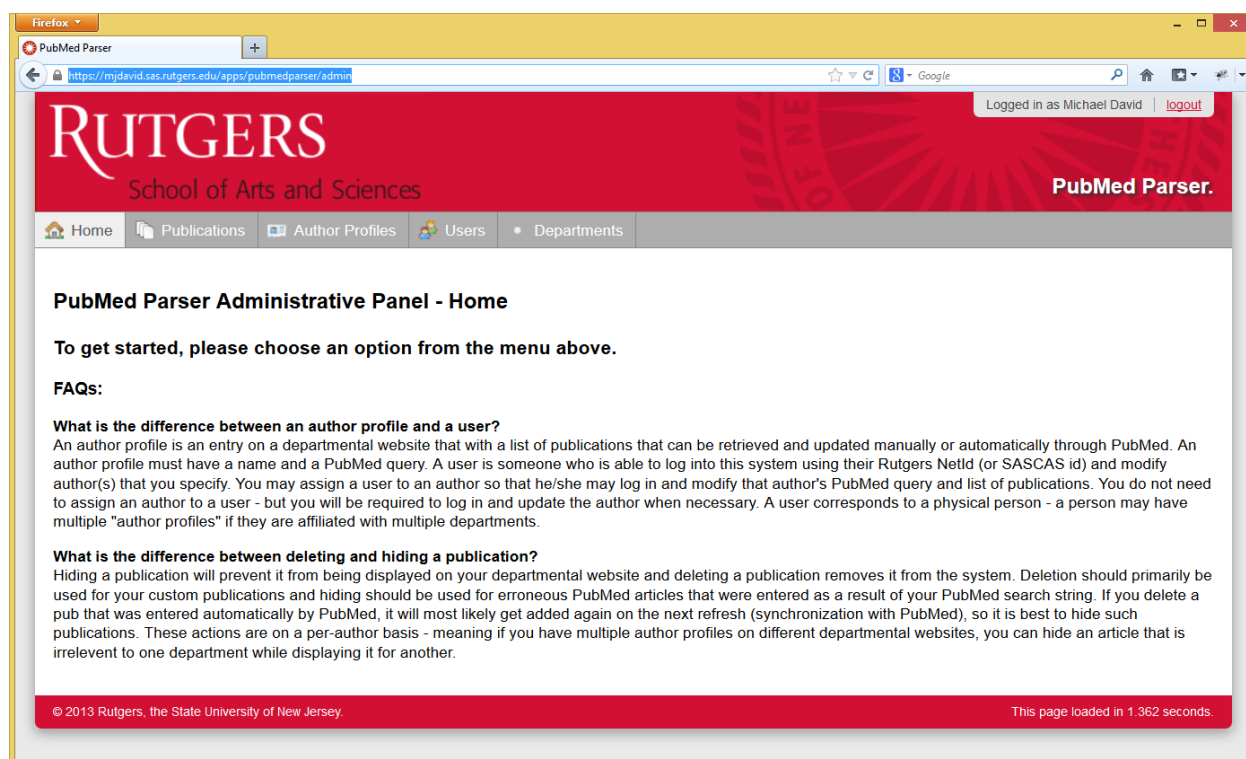


Figure 2-1 – Welcome Screen of PubMed Parser. Shown upon successful login.

2.3 Navigation

All Users

This section contains information on navigating through PubMed Parser menus, such as the main navigation bar at the top and actions on index pages.

2.3.1 Navigation Bar

All Users

The Navigation Bar provides users with a means to access all sections of the program that they are authorized to use. See Figure 2.2 below.

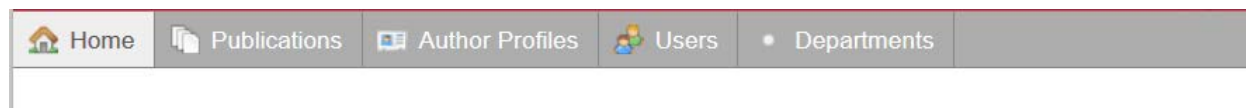


Figure 2-2 Navigation Bar – NOTE: *Authors* will not see the last two options: “Users” and “Departments”.

Moving the mouse over this menu will give you the option to either “Manage” (list) or “Add” each of these items.

2.3.2 Searching, Limiting Entries, and Sorting

All Users

It is assumed that you are able to search (using the search bar on the right side), sort by clicking on column titles, and change the number of displayed entries for each page. These are considered standard features across SAS-IT web applications.

2.4 Sections of Program

PubMed Parser is divided into four main sections –Author Profiles, Publications, Users, and Departments. These sections are described in more detail in later chapters, but it is important to understand the difference between each section.

Author Profile – Refers to an entry (an author) on your departmental website that has publication entries and PubMed search string. *Authors* should have one author profile for each department they are affiliated with.

Publication – In PubMed Parser, a publication is a citation to a physical publication. They may be automatically downloaded from PubMed or entered manually. If two author profiles share the same physical publication, it will be treated as two separate publications in PubMed Parser – allowing each author to independently modify, delete, or hide the citation.

User – Refers to a physical person with a Rutgers NetID; everyone who will access PubMed Parser needs a valid NetID. Author Profiles may be assigned to one or more users (*Authors*), and users that are *departmental administrators* are able to see and assign users within their department.

Department – Refers to a physical department or institution within Rutgers University. Each author profile belongs to exactly one department. *Authors* may belong to multiple departments if they are assigned multiple author profiles. *Departmental Administrators* may be assigned to only one department. *System Administrators* belong to a pseudo department called SAS (School of Arts and Sciences) which grants them the ability to access all departments.

3.0 AUTHOR PROFILES

3.0 AUTHOR PROFILES

3.1 General Information

3.1.1 What is an Author Profile?

All Users

An author profile is an entry in PubMed Parser which has a PubMed search string, a single department, and various publications associated with it. Practically speaking, an author profile should refer to a professor on your departmental website. If you are an *author*, you should have one author profile for each of the departments with which you are affiliated.

All Users

In PubMed Parser, a “Publication” is a unique citation that is assigned to a single Author Profile (see Section 3.0). A publication in PubMed Parser differs from a physical publication in that users may duplicate and modify publications freely. For instance, if two *authors* in the same department are both authors on the same physical publication, then each one will have their own publication entry in PubMed Parser. Each *author* will only see their own publication and may independently modify it while their *departmental administrator* will be able to see and modify two publication entries (one for each *author*).

3.1.2 What is a PubMed Search String?

A PubMed Search String is a unique query that is submitted to PubMed – a citation tracking service provided by the National Institutes of Health (NIH) to give users direct electronic access to US National Library of Medicine. Think of PubMed as an electronic, sophisticated card catalog that you could find at your local library.

The goal is to build a PubMed search string for each author profile that retrieves all relevant citations for that author – this may not be simple if the author has a common last name or has worked in multiple institutions and fields. The best way to build and test your PubMed Search String is by visiting the PubMed website: <http://www.ncbi.nlm.nih.gov/pubmed/advanced> and practicing.

Search tags are special modifiers that are surrounded by brackets that tell PubMed what a query should look like. There is an exhaustive list on the PubMed listed website above, but the two most common search tags are [au] for author and [ad] for affiliation. In addition, you may use Boolean operators (AND, OR, NOT) to build your query. We recommend that you only use the author’s first and middle initials when building their query as using the author’s full first name leads to possible errors with misspellings and excludes articles before published 1999 (as those articles are indexed by initials, not first name). An example query for Bill Gates of Microsoft would look this:

Gates B[au] AND Microsoft[ad]

3.2 Important Attributes/Features of Author Profiles

3.2.1 Name, Department, PubMed Search String

Every author profile has one name (first name, initials, and last name), one PubMed search string (the query sent to PubMed – see 3.1.2), and one department.

3.2.2 What is the difference between an *Author* and Author Profile?

An *author* refers to a specific class of user (see Section 2.2.1) - all physical users have a specific class. An author profile refers to a record on a single departmental website. For example, if you are a professor affiliated with Mathematics and Physics, your user class will be an *author* and you will have two separate author profiles – one for Physics and one for Mathematics.

3.2.3 Assigning Access to Users

Departmental Administrators and System Administrators

You may assign one or more users (within your department for *departmental administrators*) to an author profile. Granting access to an author profile allows *author(s)* to modify the name, PubMed Search String, and any publications associated with the author profile. *Authors* cannot create or delete author profiles.

3.2.4 Enabling the author

All users

Enabling an author profile means that the author will be visible on the departmental website it is affiliated with and when PubMed Parser searches for new publications, it will look at this author profile's PubMed Search String, execute it, and make updates to the author's publications accordingly.

3.3 Adding Author Profiles

Departmental Administrators and System Administrators

1. Open PubMed Parser in your web browser (see Section 2.0).
2. Move the mouse over the “Authors Profile” tab and click “Create an author profile”. If you do not see this option, you are not a *system administrator* or *departmental administrator*. You should see a page similar to the one displayed below in Figure 3-1.

Firefox PubMed Parser | Add Author

https://mjdavid.sas.rutgers.edu/apps/pubmedparser/admin/authors/create

Logged in as Michael David | [logout](#)

RUTGERS
School of Arts and Sciences

PubMed Parser.

Home Publications Author Profiles Users Departments

Author Profiles > Create an author profile

Add Author

Last Name *

First Name *

First and Middle Initials *

PubMed Search String *

The query that will be submitted to PubMed. NOTE: If you update your query, all existing PubMed entries will be erased (including publications marked as hidden) and entries will be (re)added based on the new query. Your custom publications will be unaffected.

Department this author is affiliated with: *

CBN

Users who may administer this author:

Michael David (mjdavid)

Select the user(s) that will be able to make changes to this author. If no user other than yourself will be administering this author, leave this selection blank. You may designate more than one user to edit this author by using CTRL + click. If you do not see the user you want to select, add them on the Users page.

Enable this author? *

☒

The author will be displayed on your website and publication information will be cached as per the PubMed search string specified above.

Save Cancel

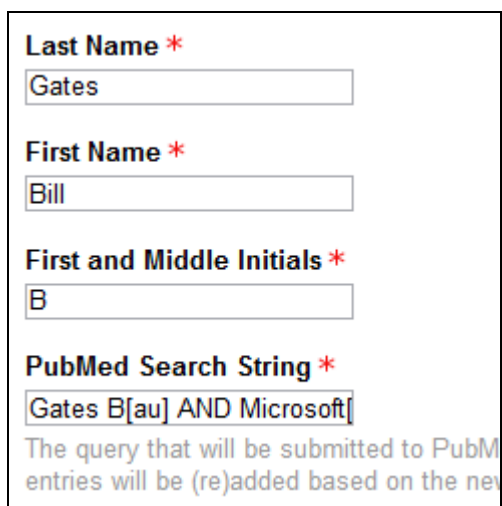
© 2013 Rutgers, the State University of New Jersey. This page loaded in 2.693 seconds.

Figure 3-1 Add Author Profile Page

- Fill in the author profile's name fields. Once you fill in an author's last name and first name, PubMed Parser will automatically fill in the author's first initial – make sure to include both the first and middle initials in the initials field.
- Fill in the author's PubMed Search String. This is the query that will be submitted to PubMed to fetch and update publications by this author. When you click on the PubMed Search string field, PubMed Parser will fill in a default search string for you. You may modify the query as you wish, as per the example below in Figure 3-2.

You can graphically build and test a PubMed Search String on the NCBI website: <http://www.ncbi.nlm.nih.gov/pubmed/advanced>.

NOTE: At the time of this writing, all author profiles must have a PubMed Search String. In addition, the PubMed Search String must return at least one publication and no more than 800 publications.



Last Name *
Gates

First Name *
Bill

First and Middle Initials *
B

PubMed Search String *
Gates B[au] AND Microsoft

The query that will be submitted to PubMed entries will be (re)added based on the new query

Figure 3-2 – Adding a new author profile. Note that [au] searches for an author, [ad] searches for an institution, and you can use works like AND & OR to build queries. The example above looks for all articles by author Gates, B and with Microsoft as the institution.

5. Choose the department that this author profile should be associated with. If you have been granted access to multiple departments, you must select the appropriate one. Most users will only have one choice.

6. Choose the users that will be able to manage this author profile. You do not need to select yourself – you already have access (*departmental administrators* and *system administrators*). You must grant access to *authors* who will manage this profile, otherwise they will not be able to access it. Use CTRL + click to select multiple users – you can always revoke access later. See Figure 3-3 below.

Department this author is affiliated with: *

CBN ▾

Users who may administer this author:

Michael David (mj david) ^

Bill Gates (bgates)

Steve Ballmer (sballmer)

Tim Cook (tcook) ▾

Select the user(s) that will be able to make changes to designate more than one user to edit this author by using

Enable this author? *

☒

The author will be displayed on your website and public

Save Cancel

Figure 3-3 Selecting Options for Author Profiles. Note, the User section allows me to grant access to the users who should be able to modify the author profile and allows me to restrict other users from accessing this author profile. In this example, Bill Gates and Steve Ballmer can modify Bill Gate’s author profile, while Tim Cook – CEO of Apple, cannot. I do not need to select myself (Michael David) since I am the one creating this author profile and implicitly have access to all author profiles in this department.

7. Choose whether or not to enable the author profile – if an author is enabled, the author profile will be displayed on the selected departmental website (in the example above, CBN) and will be updated when PubMed Parser searches PubMed for new publications.
8. Save the author by pressing “Save”. At this time, PubMed Parser will check the PubMed Search String and retrieve all publications and save the citations. You can now manage the author in PubMed Parser.

3.4 Managing Author Profiles

All Users

1. Open PubMed Parser in your web browser (see Section 2.0).
2. Move the mouse over the “Authors Profile” tab and click “Manage Authors”. You will then be presented with a screen listing all the author profiles you are authorized to access. If you are an *author*, this includes any authors you have been assigned to across all departments you are affiliated with. *Departmental Administrators* can see all authors within their department. *System Administrators* can see all author profiles in PubMed Parser.

Name	Department	Enabled	Last Refreshed	Actions
Auerbach, Sidney	CBN	Yes	02-28-2013 2:22 pm	edit delete
Babiarz, Bruce	CBN	Yes	02-28-2013 2:22 pm	edit delete
Burger, Joanna	CBN	Yes	02-28-2013 2:22 pm	edit delete
Cai, Qian	CBN	Yes	02-28-2013 2:22 pm	edit delete
Chen, Jianmin	CBN	Yes	02-28-2013 2:22 pm	edit delete
Covey, Lori	CBN	Yes	02-28-2013 2:22 pm	edit delete
Crozier, Robert	CBN	Yes	02-28-2013 2:22 pm	edit delete
D'Arcangel, Gabriella	CBN	Yes	02-28-2013 2:23 pm	edit delete
Davis, Robin	CBN	Yes	02-28-2013 2:23 pm	edit delete
Denhardt, David	CBN	Yes	02-28-2013 2:23 pm	edit delete
Dennis, Emmet	CBN	Yes	02-28-2013 2:23 pm	edit delete
Firestein, Bonnie	CBN	Yes	02-28-2013 2:23 pm	edit delete
Flores-Otero, Jacqueline	CBN	Yes	02-28-2013 2:23 pm	edit delete
Fong, Dunne	CBN	Yes	02-28-2013 2:23 pm	edit delete
Gates, Bill	CBN	Yes	03-01-2013 10:06 am	edit delete
Goldklank, Stephen	CBN	Yes	02-28-2013 4:41 pm	edit delete
Goldsmith, Noriko	CBN	Yes	02-28-2013 2:23 pm	edit delete
Grumet, Martin	CBN	Yes	02-28-2013 2:23 pm	edit delete
Hart, Nathan	CBN	Yes	02-28-2013 2:23 pm	edit delete
Hart, Ronald	CBN	Yes	02-28-2013 2:23 pm	edit delete
Herrup, Karl	CBN	Yes	02-28-2013 2:23 pm	edit delete
Hsu, Shu	CBN	Yes	02-28-2013 2:23 pm	edit delete
Hyndman, Arnold	CBN	Yes	02-28-2013 2:23 pm	edit delete
Jiao, Xinfu	CBN	Yes	02-28-2013 2:23 pm	edit delete

Figure 3-4 Author Profile Management Screen – allows you to edit or delete author profiles. *Authors* can only edit profiles.

3.4.1 Editing Author Profiles

All users

You can edit author profiles by clicking the “edit” button in the action column on the author profile row you wish to edit. Instructions on editing author profiles is almost exactly the same as adding author profiles (see Section 3.3).

NOTE: If you modify the PubMed search string of an existing author profile, PubMed Parser will remove all currently synced and displayed publications from the system and then execute the new query. This means that any publications that are “synced with PubMed” and “displayed” will be erased, and if they are part of the updated PubMed search string, they will get added back. Custom publications that you entered manually, publications that were PubMed publications that you modified, and PubMed publications that you have marked as hidden are unaffected.

3.4.2 Deleting Author Profiles

Departmental Administrators and System Administrators

You can delete an author profile by clicking the “delete” button in the action column on the author profile row you wish to delete. Deleting an author erases that profile from PubMed Parser – the author will no longer appear in PubMed Parser, on your departmental website, and any publications associated with the author will be erased. Physical publications that are affiliated with multiple authors (including the author profile to be deleted) will be retained – so you can safely delete author profiles without affecting other author profiles.

4.0 PUBLICATIONS

4.0 PUBLICATIONS

All Users

In PubMed Parser, a publication is a citation to a physical publication. They may be automatically downloaded from PubMed or entered manually. If two author profiles share the same physical publication, it will be treated as two separate publications in PubMed Parser – allowing each author to independently modify, delete, or hide the citation.

4.1 General Information

4.1.1 How are publications entered into PubMed Parser?

All Users

Publications may either be entered manually or get entered automatically as a result of the author profile's PubMed Search String. If a publication is entered via PubMed, anyone authorized to manage the author profile may update or modify the citation entry. NOTE: If you modify a citation entry, it will no longer get updated by PubMed Parser – you will be responsible for ensuring the citation remains up-to-date.

Publications that were entered automatically by PubMed, and then later edited by you (or another authorized user) can be reverted back to the version in PubMed (see Section 4.5 bullet point 1). You cannot revert a publication you manually entered (since you entered it manually, it wasn't retrieved by PubMed in the first place).

4.2 Important Attributes/Features of Publications

4.2.1 Synced With PubMed

All users

Every publication falls into one of two categories – either the publication uses the citation from PubMed or it is a custom citation – a user has entered or modified the citation manually through PubMed Parser. If a citation was originally entered by PubMed Parser automatically through PubMed and then customized, it can be reverted back to the original PubMed citation.

4.2.2 Visibility

All Users

Visibility describes whether or not a publication will be displayed on a departmental website. You are free to modify the publication whether or not it is displayed. This feature is mostly used for erroneous or irrelevant publications that may have been automatically entered based on your PubMed Search String, but should not be displayed on a departmental website under your author profile.

To explain further by continuing the example from the previous section, let's say that Bill Gates has two publications associated with his author profile – one about health and one about robotics. He may feel his health management publication is irrelevant to his departmental website, so he may choose to hide that publication. If he becomes associated with a health institute (new department), he will have the option of displaying the robotics publication for one department and displaying the health publication in the other.

4.2.3 Citation

All Users

All publications in PubMed Parser use the MLA citation format. Please separate authors' names using commas – citations will be displayed on departmental websites as they are entered.

4.2.4 DOI Number

All Users

You are encouraged to enter the Digital Object Identifier (DOI) number for all publications associated with your author profile(s). Entering the DOI will allow PubMed Parser to link to the publication directly (when legally possible and if enabled by your department). This allows visitors to your departmental website to access additional information (or the PDF of the publication itself) via Rutgers Libraries. Most scholarly materials (journal articles, books, etc.) are assigned DOI numbers upon submission of the first draft and this number generally does not change through the life of the publication.

4.2.5 Populate by PMID

All Users

Populate by PMID gives you the ability to enter a PubMed PMID number and immediately update the publication details with the information for the PMID you selected.

NOTE: Publications added using this feature will not sync with PubMed.

If you find publications that are indexed on PubMed but are not automatically downloaded by your PubMed search string, you may choose to manually add the publication to PubMed Parser. Please note that the preferred method is to update your PubMed search string to include the missing publication, but there may be reasons why you may wish to use this feature instead, including:

- You wish to add a publication to PubMed Parser that is not part of your PubMed search string and is incorrect – you can use this feature to auto-populate most of the details and make the corrections as needed.
- You are a *department administrator or system administrator* and you want to attach a publication to multiple author profiles in your department without needing to update their PubMed search strings individually.

4.3 Manually Adding Publications

All Users

1. Open PubMed Parser in your web browser (see Section 2.0).
2. Move the mouse over the “Publications” tab and click “Add a publication”. If you see a message stating that there are no author profiles in the system, you must add an author profile first (*departmental administrators* and *system administrators*) or you must ask your *departmental administrator* to create an author profile and/or assign an author profile to you.
3. All manually entered publications cannot sync with PubMed, so “Custom Citation” is selected and is unchangeable. You can choose the visibility – whether or not a publication will be displayed on your departmental website (see Figure 4-1).

Add Publication

Sync with PubMed

Custom Citation ▾

Custom citations cannot link to or sync with PubMed. If you want to include an article in your PubMed search string.

Visibility

Displayed ▾

Controls whether or not a citation will be displayed on your departmental website. Hiding your PubMed search string, but are not relevant to you or your department's web page.

Figure 4-1 – Setting Publication Attributes

4. Enter the custom publication fields for the citation as you would like it to appear. Make sure to include authors in MLA citation format in the order that they appear on the paper, and separated by commas.

Custom Publication Fields

Publication Authors *
Gates, B., Myhrvold, N, and

Title of Publication *
The Road Ahead

Journal *
Viking Penguin

Month published *
Nov ▾

Year published *
1995

Volume

Pages

DOI number
10.1109/MM.1996.482305

Digital Object Identifier (DOI) is highly recommended as it will allow visi

Figure 4-2 Example of custom publication citation. Note the format of the DOI number without leading or trailing slashes.

5. Select the author profile(s) that should be affiliated with this publication. You must select at least one. You may select multiple authors (if available, depending on your user role and affiliations) – this will create additional duplicate entries for each author profile you select. You and the authorized *authors* will then be able to modify the publications for each author profile independently. You may use CTRL + click to select multiple author profiles – see Figure 4-3 below.

Author(s) Associated with publication: *

Firestein, B (CBN)
 Flores-Otero, J (CBN)
 Fong, D (CBN)
Gates, B (CBN)
 ...

Select the author(s) in this system that will display below. Otherwise, select your name.

Figure 4-3 – Assigning a publication to one or more author profiles.

- Press Save to create the publication. You may now manage that publication on the Publication Management screen described in the next section.

4.4 Managing Publications

All Users

- Open PubMed Parser in your web browser (see Section 2.0).
- Move the mouse over the “Publications” tab and click “Manage Publications”. If you see a message stating that there are no publications in the system, you must add at least one (see Section 3.3). If you receive a message stating there are no author profiles, you must add one or if you are an *author*, you must ask your departmental administrator to add an author profile and/or assign it to you. See Figure 4-4 below.

Firefox | PubMed Parser | Publications

https://mjdavid.sas.rutgers.edu/apps/pubmedparser/admin/pubs

Logged in as Michael David | [logout](#)

RUTGERS
School of Arts and Sciences

PubMed Parser.

Home | Publications | Author Profiles | Users | Departments

Publications > Manage Publications

Publications

Show 25 entries Search: gates, b

PMID	Author	Title	Journal	Year	Syncs with PubMed	Displayed	Actions
	Gates, B (CBN)	The Road Ahead	Viking Penguin	1995	No	Yes	edit delete
10140453	Gates, B (CBN)	Health Management Technology goes one on one with Bill Gates.	Health management technology	1995	Yes	Yes	edit delete
17186834	Gates, B (CBN)	A robot in every home.	Scientific American	2007	Yes	Yes	edit delete

Showing 1 to 3 of 3 entries (filtered from 2,529 total entries)

First Previous 1 Next Last

Figure 4-4 Publication Management Screen

3. You may limit your view of publications by author by typing the name of the author in the “Search” box. In the screenshot above, “Gates, B” is entered in the search box, showing only publications where Bill Gates is an author.

4.4.1 Searching and filtering publications

All Users

- You may use the search box to search for publications by all the fields displayed (PMID, PMCID, Author Profile, Title, Journal, Year) AND non-primary author (not displayed on search page).
 - For instance, if you enter “Gates, B” into the search field, you will retrieve all publications that have “Gates, B” as an author, regardless of whether “Gates, B” is the primary author, or is even a member of the university.
 - If you want to see publications associated with a particular author profile, you can simply type their name and sort by the “Author Profile” column. If you need to generate a list of only publications by a particular author (advanced), you may follow these steps:
 - Locate the author profile you are interested in searching for on the “Author Profiles” tab. Make note of the “Author ID” and “Department”
 - Type the 3 letter name of the department, a colon, and the author id in the search box of the “Publications” tab. i.e. “CBN:1234”

4.5 Notes on Modifying Publications

All Users

- You may edit or delete publications by clicking the appropriate action for the given publication. Note that publications with a PMID (PubMed Identification) number were originally entered by PubMed automatically – you can still customize and/or hide these publications, but in addition, you may revert changes you have made to this publication in favor of the citation record on PubMed. To revert a publication, follow these steps:
 - a. Verify that a PMID is entered on the manage publications screen for the entry you are trying to revert – you cannot revert publications that were not entered automatically by PubMed.
 - b. Click “edit” for that row.
 - c. Under “Sync with PubMed”, change the drop-down box to “Use Citation for PubMed”. You will notice that all of your custom fields will disappear.
 - d. Press “Save”
- If you choose to customize a publication that was originally entered automatically by PubMed, PubMed Parser will no longer synchronize information with PubMed about this publication – therefore if PubMed makes a change to this citation, your changes will not be overwritten.
- You are able to modify publications across multiple author profiles independently. For example, if you have two author profiles that have the same publications, you will see two publications in PubMed Parser. You can distinguish which department you are making the change for based on the value in the “Author” column – which will give the author’s name and department.

4.6 Notes on Deleting Publications Entered By PubMed

All Users

If you delete a publication that was automatically entered by PubMed, it will get re-entered the next time the author profile is synchronized with PubMed if you did not modify the author profile's PubMed search string. You are encouraged to tweak your author profile's PubMed search string to limit the number of erroneous pubs that are entered into the system. After that, if you still have a few erroneous pubs, you should change the visibility to "hide" – see Section 4.2.2).

5.0 USERS

5.0 USERS

Departmental Administrators and System Administrators

Users are physical persons with a Rutgers NetID; everyone who will access PubMed Parser needs a valid NetID. The user management section allows you to select which users will be available to access this system.

5.1 General Information

5.1.1 What classes of user can I create?

Departmental Administrators and System Administrators

There are three possible classes of user in PubMed Parser (see Section 2.1) and depending on your classification, you may or may not be able to choose the classification of the user you create.

- *System Administrators* are able to create and modify all types of users (including creating new *System Administrators*, *Departmental Administrators*, and *Authors*).
- *Departmental Administrators* may only create *authors* within their department. They cannot create other *departmental administrators*.
- *Authors* do not have access to the user management screen and cannot create users.

5.1.2 How are users related to departments?

Departmental Administrators and System Administrators

The relationship between users and departments is complex and dependent on user role. PubMed Parser is designed to be self-managing, so you do not need to be concerned with which departments users are affiliated with – for instance, if you try and create a user that is already system, PubMed Parser will not duplicate the user, but rather add access to your department.

- *System Administrators* belong to a “global” department called “SAS”. They are able to see and modify all users in the system and change department affiliations.
- *Departmental Administrators* are able to see users that belong to their environment – as of the time of this writing, *departmental administrators* may only belong to one department.
- *Authors* may be affiliated with multiple departments – depending on the author profiles to which they have been assigned.

5.1.3 Can I add an existing user to my department?

Departmental Administrators

Yes, if you cannot see the user in the Manage Users section, you may add them using the add user screen (see Section 5.3). If the user is affiliated with other departments, you will be able to see which other departments the author is affiliated with, but you cannot make changes that impact other departments. In this case, deleting a user from PubMed Parser will not actually delete the user, but instead remove that user from your department.

5.2 Important Attributes/Features of Users

Departmental Administrators and System Administrators

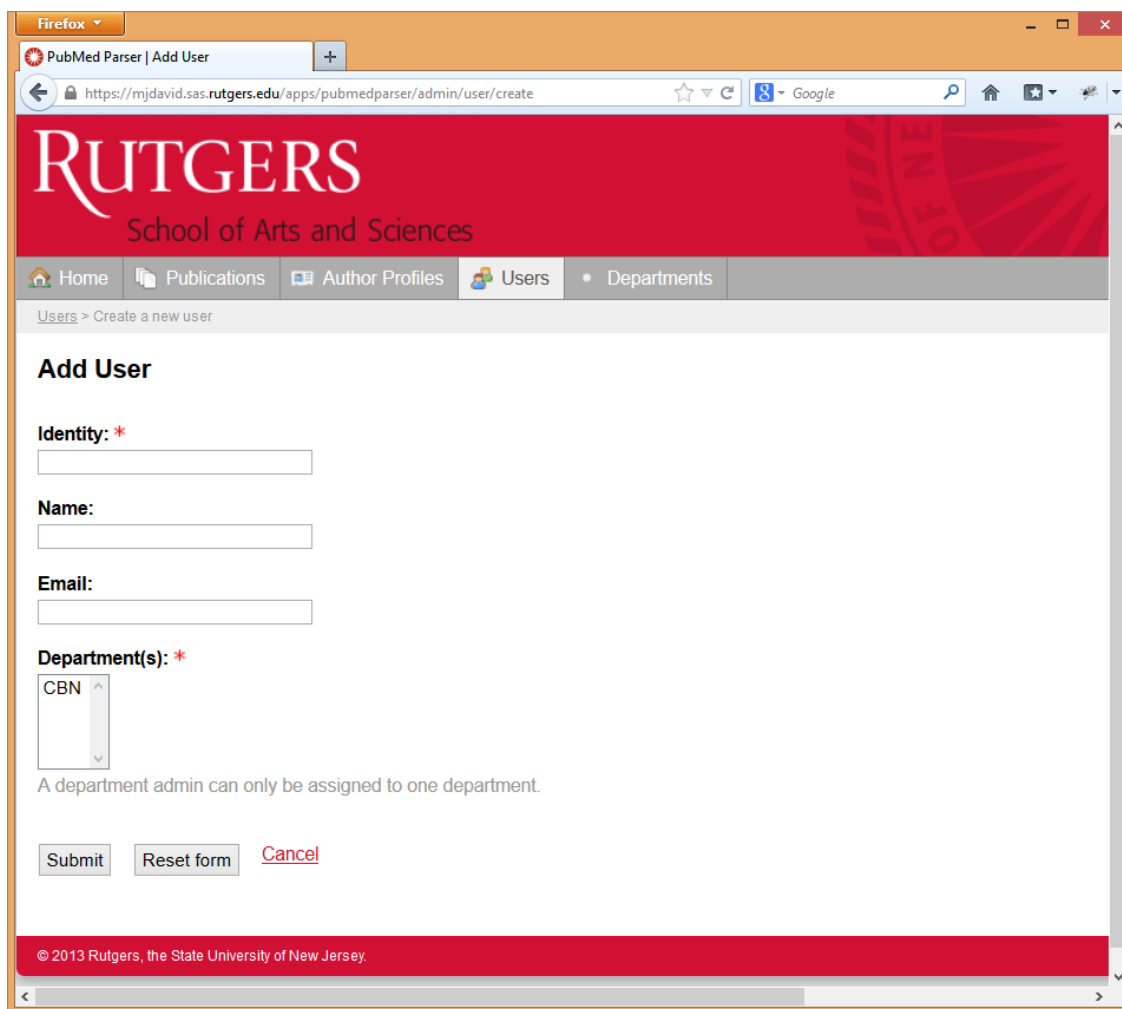
- User management is similar across other SAS-IT Web Applications. *Departmental Administrators* cannot choose the user role (as it is automatically assumed that *departmental administrators* can only create *authors*).

- In PubMed Parser, you must explicitly select the department(s) that a user should be affiliated with. For *departmental administrators*, there will only be one department.
- *System Administrators* will be limited to valid combinations of user role and department according to the rules established above in Section 5.1.2.
- Users must be assigned to at least one department

5.3 Adding a new user

Departmental Administrators and System Administrators

1. Open PubMed Parser in your web browser (see Section 2.0).
2. Move the mouse over the “Users” tab and click “Create a new user”. If you do not have a “Users” tab, then you are not a *Departmental Administrator* or *System Administrator*.
3. You will be presented with a screen pictured below in Figure 5-1. Enter the “Identity” – either a Rutgers NetID or SASCAS Identity and complete the rest of the fields below. Select the department(s) you wish to affiliate the user with.



Firefox ▾

PubMed Parser | Add User

https://mjdavid.sas.rutgers.edu/apps/pubmedparser/admin/user/create

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School of Arts and Sciences

Home Publications Author Profiles **Users** Departments

Users > Create a new user

Add User

Identity: *

Name:

Email:

Department(s): *

CBN

A department admin can only be assigned to one department.

Submit Reset form [Cancel](#)

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Figure 5-1 Add User Screen for Departmental Administrators

System Administrators – only *authors* may be affiliated with multiple departments – if you create an *author* assigned to multiple departments, each *departmental administrator* will have the ability to modify and/or assign this user to their respective author profiles. See Figure 5-2.

The figure displays three stacked panels, each representing a user creation form for a different role. Each panel contains a 'Role' dropdown menu, a 'Department(s)' dropdown menu, a text constraint, and three buttons: 'Submit', 'Reset form', and 'Cancel'.

- Top Panel (System Admin):** The 'Role' dropdown is set to 'System Admin'. The 'Department(s)' dropdown is set to 'SAS'. The text below states: 'A department admin can only be assigned to one department.'
- Middle Panel (Dept Admin):** The 'Role' dropdown is set to 'Dept Admin'. The 'Department(s)' dropdown is open, showing 'CBN' selected and 'SAS' as an option. The text below states: 'A department admin can only be assigned to one department.'
- Bottom Panel (Author):** The 'Role' dropdown is set to 'Author'. The 'Department(s)' dropdown is open, showing 'CBN' and 'SAS' as options. The text below states: 'A department admin can only be assigned to one department.'

Figure 5-2 – System Administrators are able to select department administrators depending on the role selected. The top panel shows the creation of a *system administrator*, which can only be in the SAS department, the middle panel shows the creation of a *departmental administrator*, which can only be in one department, and the bottom panel shows the creation of an *author*, which can be assigned to multiple departments.

4. Press the “Submit” button to register the user in the system.

5.4 Managing Users

Managing users is the same as creating users (see Sections 5.0 – 5.3) except that you need to select the user to manage by clicking on the “Users” tab and then selecting “Manage Users”.

5.4.1 Important Note on Modifying Users That Belong to Multiple Departments

Departmental Administrators

If you are a *departmental administrator*, you will be able to see users that you have added. If that user belongs to other departments, you will be able to see the other departments, but you will not be able to modify or access any other information related to the department. You will be able to modify that user’s information, such as NetID, name, and email and those changes will affect all users across the entire system (including in other departments).

5.4.2 Important Note on Deleting Users

Departmental Administrators and System Administrators

Deleting a user will remove connections between the user and any author profiles you previously assigned them to. These author profiles are still accessible by *departmental administrators*, and can be reassigned. Deletion of a user DOES NOT delete the author profile they have been granted access to.

6.0 DEPARTMENTS

6.0 DEPARTMENTS

Departmental Administrators and System Administrators

A department refers to a physical department or institution within Rutgers University. Each author profile belongs to exactly one department. Department assignments provide limits for *departmental administrators* – they are only able to modify users, author profiles, and publications assigned to their department.

6.1 General Information

6.1.1 What are the features and settings of a department?

Departmental Administrators and System Administrators

Departments have a short name (typically three capital letters), a display name, and an option to either hide or show DOI links. The display name is shown when PubMed Parser is queried for all publications in a given department. The “Show DOI links” will either enable to disable “Get it @ R” links for each publication to the Rutgers Library DOI proxy – a service that will use the DOI to locate the publication for users.

6.2 Adding Departments

System Administrators

1. To add a Department, move the mouse over “Departments” and select “Create a New Department”. You will be prompted with a screen like the one shown below in Figure 6-1.

The screenshot shows a web browser window with the title "PubMed Parser | Add Department". The address bar shows the URL "https://mjdavid.sas.rutgers.edu/apps/pubmedparser/admin/depts/create". The page features the Rutgers School of Arts and Sciences logo and a navigation menu with links to Home, Publications, Author Profiles, Users, and Departments. The main content area is titled "Add Department" and contains the following form fields:

- Short Name ***: A text input field with a placeholder text "For use internally in PubMed Parser. Can only be changed by a System Admin."
- Department Display Name ***: A text input field with a placeholder text "Publically displayed name when integrated into departmental website."
- Show DOI links?**: A checkbox.

At the bottom of the form are "Save" and "Cancel" buttons. The footer of the page includes the copyright notice "© 2013 Rutgers, the State University of New Jersey" and a loading time indicator "This page loaded in 1.529 seconds."

Figure 6-1 Adding a new department

2. Press Save to create the department.

6.3 Managing Departments

Departmental Administrators and System Administrators

- To list departments you are able to manage, move the mouse over “Departments” and click on “Manage Departments”. You will see a page similar to Figure 6-2
- You can modify the settings of a department by clicking on the “edit” action under the department you wish to modify. You may change the short name, display name, and whether or not DOI links are visible (see Section 6.1 above).

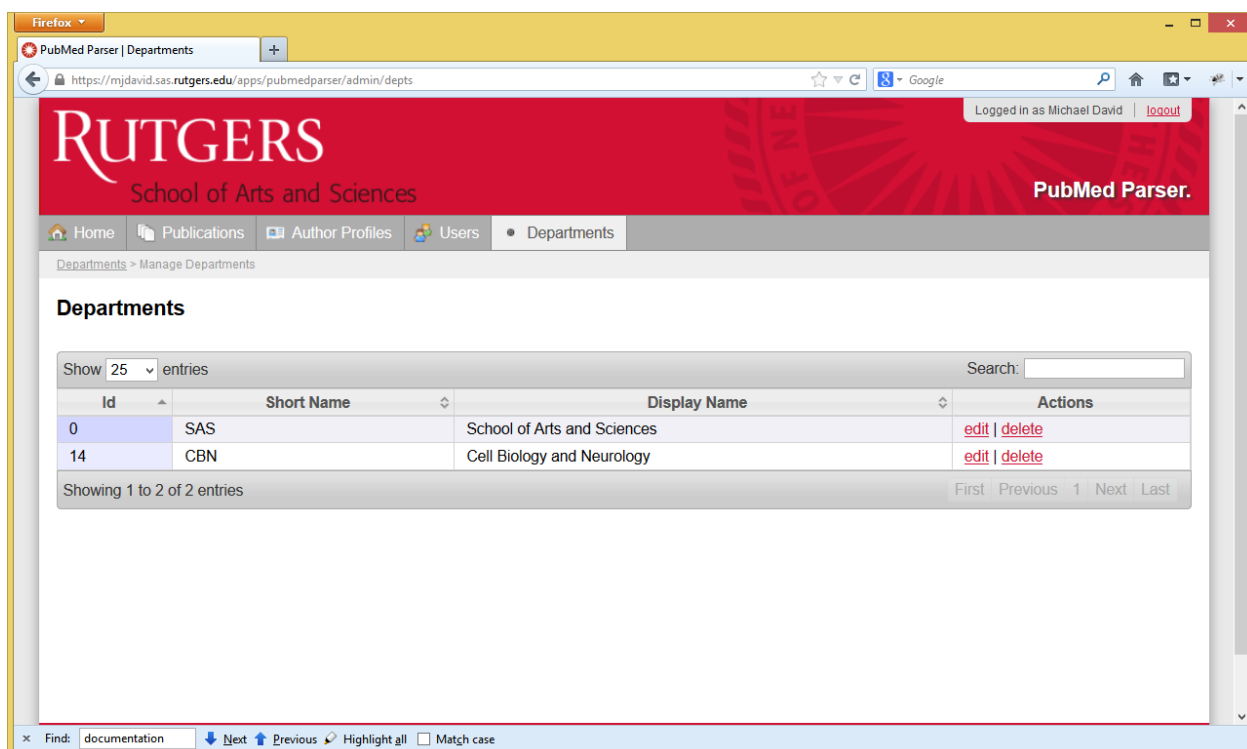


Figure 6-2 Listing of Departments in PubMed Parser

7.0 INTEGRATION GUIDE FOR WEB DEVELOPERS

7.0 INTEGRATION GUIDE FOR WEB DEVELOPERS

Web Developers Only

This section of the User's Guide is intended for Web Developers to easily integrate PubMed Parser into their departmental website(s). PubMed Parser is designed to be integrated via an HTML <iframe> tag or JSON interface.

Typically, you can include <iframe src="http://www.website.com"></iframe> in the <body> section of your website. Replace "http://www.website.com" with the feature you want to have displayed. This will allow you to load a pre-formatted version

This guide assumes that you are knowledgeable in HTML and have access to modify the departmental website.

7.1 General Information

Below are instructions on how to integrate the various available features of PubMed Parser into your departmental website.

7.1.1 Requirements

- **Department Short Name** – typically a 3 letter code that identifies a department. You can obtain this from the *System Administrator* or *Departmental Administrator* assigned to the department.
- **API Key** – Obtained from SAS-IT upon authorization to integrate PubMed Parser into your department website. If you want to request an API key, please submit a work order:
<http://sasit.rutgers.edu/submit-a-workorder>

7.1.2 JSON Interface for Retrieving Authors

Every author profile in PubMed Parser has a unique author id (authid). You can retrieve JSON formatted list by visiting:

<https://secure.sas.rutgers.edu/apps/pubmedparser/display/json/dept/{DeptShortName}/apikey/{APIKEY}>

Where {DeptShortName} is the department short name and {APIKEY} is the API Key provided to you by SAS-IT (see Section 7.1.1).

7.1.3 Listing an author's publications

Every author profile in PubMed Parser has a unique author id (authid). You can use the JSON-formatted information to determine an author's authid and display the information accordingly. You can pull the author's profile page by integrating the following link to an iframe:

<https://secure.sas.rutgers.edu/apps/pubmedparser/display/citations/authid/{authid}>

Where {authid} is the unique authid assigned to the author. The authid can be retrieved from the JSON information in Section 7.1.1.

For instance, the example author “Bill Gates” has an authid = 5580, so an iframe made for this author will be <https://mjdavid.sas.rutgers.edu/apps/pubmedparser/display/citations/authid/5580> and show a screen similar to Figure 7-1 below.

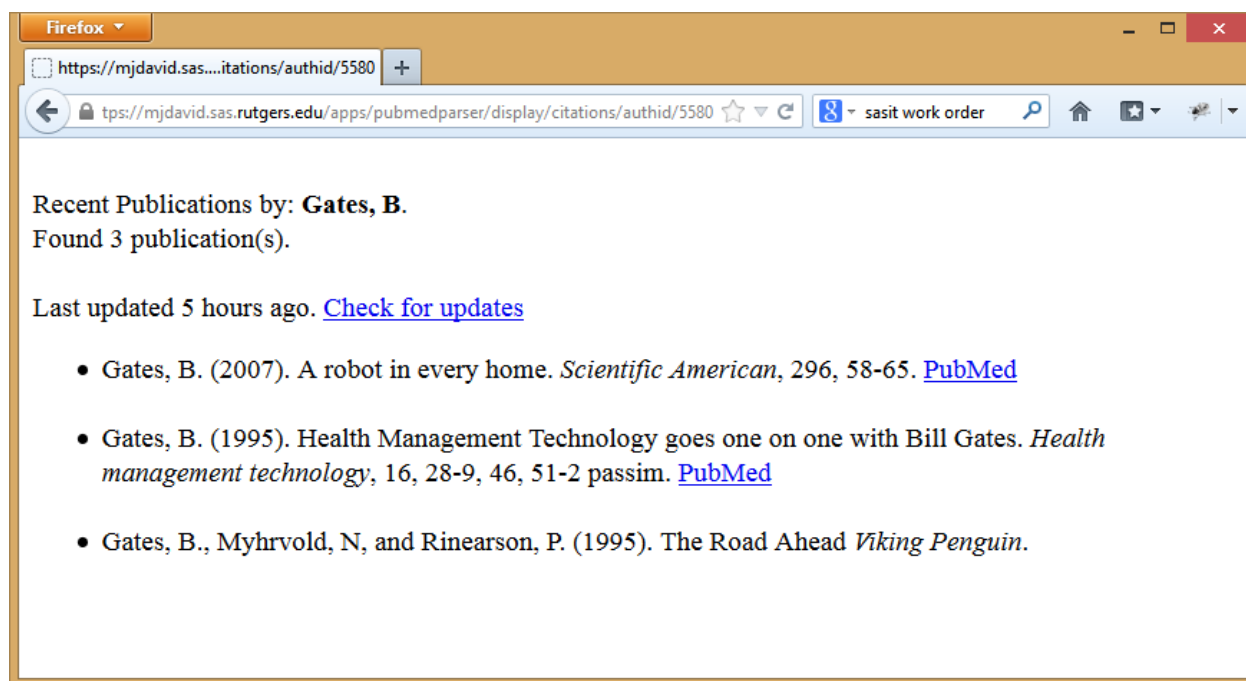


Figure 7-1 Listing of publications by a given author

The end user will have the ability **Check for Updates**; that is, to refresh the iframe in real time – which triggers a JavaScript-based AJAX call and reload to get a new list of publications related to the author – if there are any. A loading screen will look similar to Figure 7-2 below.

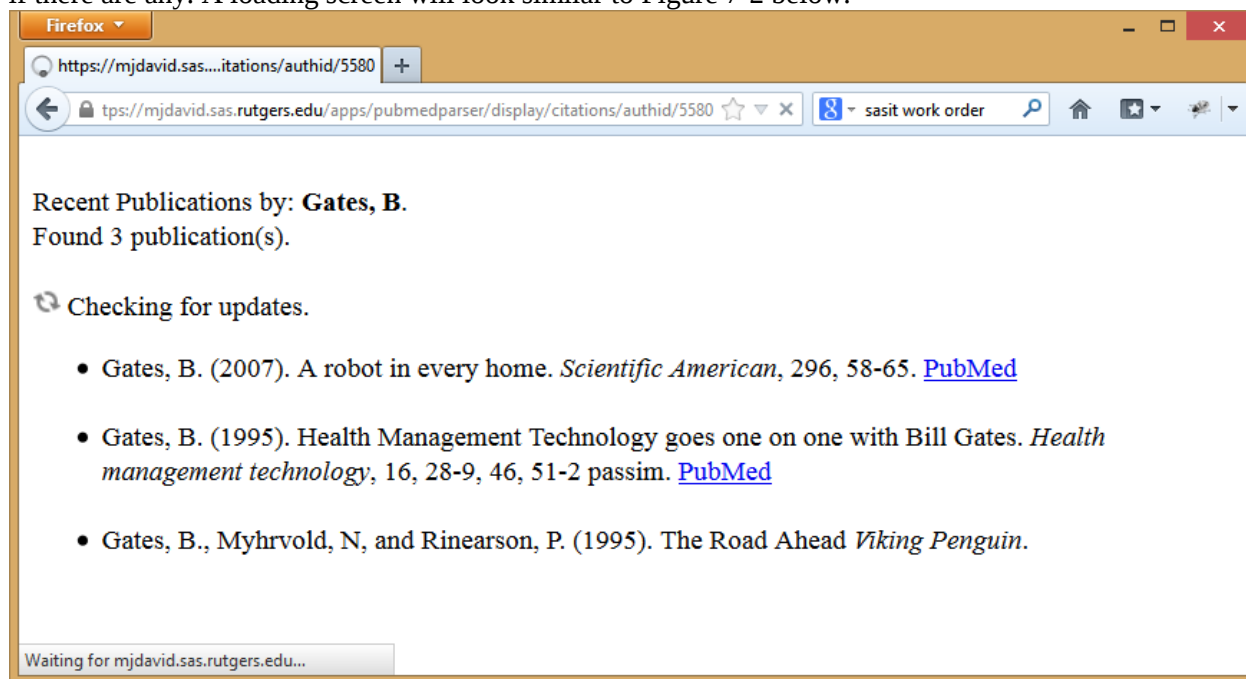


Figure 7-2 Checking for Updates operation on an author

If you want to limit the number of displayed publications, you may append “/limit/#” to the end of the URL where # is the maximum number of articles to display. See Figure 7-3 below.



Figure 7-3 Example of limitation of returned publications Notice that the limit of two articles has been applied. The end-user has the ability to display all publications by clicking “show all”. If an invalid limit is given, then the iframe behaves as if no limit was given at all.

7.1.4 Listing an entire department’s publications

You may also pull all publications in a given department, sorted by date published, by visiting the following link:

`https://secure.sas.rutgers.edu/apps/pubmedparser/display/citations-by-dept/dept/{DeptShortName}/apikey/{APIKEY}`

Where {DeptShortName} is the department short name and {APIKEY} is the API Key (see 7.1.1). See Figure 7-4 below.

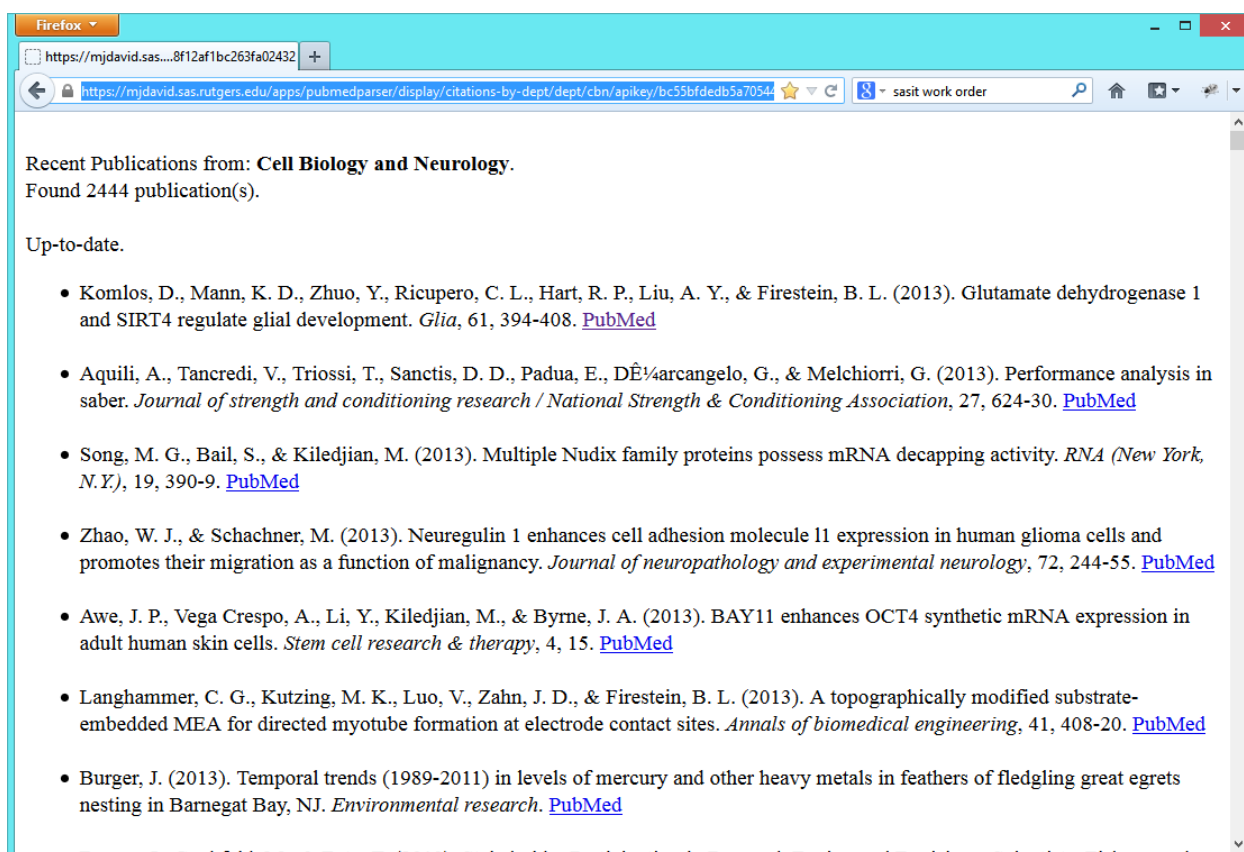


Figure 7-4 Listing of all publications in a given department

7.1.5 Specifying an External CSS File

- You may optionally supply a single URL pointing to a CSS file that PubMed Parser will apply to author citation output and department citation output on a per department basis. You must have at least departmental administrator access to use this feature.
- This file should be on a secure server with a valid SSL certificate installed. Although PubMed Parser will allow a non-https URL for the CSS file, some client browsers may display security notifications when the page is loaded if the CSS file is not transmitted via https or if the certificate is not configured correctly.
- The CSS file must already exist on the server and must be reachable over the internet – you cannot specify an invalid URL in the PubMed Parser Admin Control Panel interface.

To specify a CSS File for your department:

1. Access the PubMed Parser Admin Control Panel and login with your NetID and password:
<https://secure.sas.rutgers.edu/apps/pubmedparser/admin>
2. Under the “Departments” tab, click “Manage Departments”
3. Click “edit” under the “Actions” section for the department

4. In the text field labelled “External CSS File”, enter the URL (including the https:// prefix) for the CSS file you want to have applied to your authors’ and department’s pages. Press “Save” to confirm.