PUBSCREEN GUIDELINES

April 7, 2021

MOUSE BYTES

Table of Contents

PUBSCREEN

PubScreen is a web-based platform that holds the metadata and key features of touchscreen-based publications in cognitive neuroscience, with free and permanent access for researchers across the globe. It enables users to add their publications using the digital object identifier (DOI), which uses APIs from PubMed, bioRxiv, and Crossref to extract information about that paper. That information is then stored in a PubScreen database,, upon which users can add additional key features describing the paper and be able to search for the publication(s) that relate to such features.

PURPOSE

The proposed digital platform aims to maximize the visibility and impact of research output by collecting and curating key features of touchscreen-based publications in cognitive neuroscience. In the future, the platform will be used for statistical analysis to provide interactive visualizations/dashboards related to the key features of the research output.

MOUSEBYTES

PubScreen leverages MouseBytes (open access cognitive behavioral data) to facilitate access to the publication's dataset in the search results, provided that the dataset is already available in MouseBytes and its status is public.

PUBLICATIONS

Adding a Publication

1. Log into your MouseBytes account.
2. Click the "PUBSCREEN" feature in the main top menu.
3. Click on + sign beside " Adding publication to open the form.
4. Indicate which source you will be using for the publication
   - **PubMed**
   - **bioRxiv**
   - **Crossref**
   - **None**

   Note: use Crossref for papers that are not in the PubMed or bioRxiv databases.
5. Indicate the option you want to use for adding the paper based on the source selected.
   - PubMed – **DOI** or **PubMed ID**
   - bioRxiv and Crossref – **DOI**
6. Fill in the appropriate information for the option selected
7. The identification number provided will automatically fill in many of the paper's features; however, if some remain blank, the following features can be filled in manually:
   - **Author(s)**
   - **Reference**
   - **Title**
   - **Abstract**
   - **Publication Year**

- **Keywords**
- **DOI**
- **Paper Type**

8. Fill in all the following key features that are relevant to the publication and <u>submit</u> the form.
   - **Task Category**
   - **Cognitive Task**
     - Please fill the appropriate form located under Resources > Forms if a specific cognitive task is not currently listed. (<u>https://mousebytes.ca/forms</u>).

<u>NOTE:</u> Task Category and Cognitive Tasks are required features and need to be filled in order to submit the form.

   - **Species**
   - **Animal Sex**
   - **Animal Strain**
   - **Disease Model(s)**
   - **Brain Region(s)**
   - **Sub-Brain Region(s)**
   - **Cell Type(s)**
   - **Method**
   - **Neurotransmitter(s)**

<u>Editing and Deleting Publications</u>
1. Log into your MouseBytes account.
2. Click the "PUBSCREEN" feature in the main top menu.
3. Search for the intended publication (see <u>Searching for a Publication</u> below).
4. Once the publication is selected, the details of the selected publication can be seen right below the search field
5. Click the pencil-shaped "Edit" icon at the top right corner of the search result window to edit the Publication.
   a. A window will appear where the user can edit all fields.
   b. Note: all edits will be logged by the platform and periodically checked. Users with questionable edits to publications may be contacted.

<u>Searching for a Publication</u>
1. Click the "PUBSCREEN" feature in the main top menu.
2. User can search for a publication based on the following search criteria (if no criteria is selected, all papers in the database will be listed):
   - Author Information
     - **Author Name**
   - Paper Information
     - **Paper Title**
     - **Year From**

- o **Year To**
- o **Paper Type**
- o **Paper Keywords**
- o **DOI**
- Key Features
  - o **Task Category**
  - o **Cognitive Task**
  - o **Species**
  - o **Animal Sex**
  - o **Animal Strain**
  - o **Disease Model(s)**
  - o **Brain Region(s)**
  - o **Sub-Brain Region(s)**
  - o **Cell Type(s)**
  - o **Method**
  - o **Neurotransmitter(s)**