Guide to IMMUNOPHARMACOLOGY

Database & Web-Portal Release Notes

Version: beta 1.0

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Overview

The Guide to PHARMACOLOGY (GtoImmuPdb) is a extension to the Guide to PHARMACOLOGY (GtoPdb). These are release notes for the first public beta-release.

These release notes note changes from the alpha v4.0 release. Please refer back to previous notes for full details. There is also a developer notes section detailing code notes and documentation

DEVELOPER NOTES

immuno/index.jsp

This contains 3 re-directs to catch user who navigate to the index page from guidetopharmacology.org (one for each of test, dev or live).

includes/immuno_head_menu.html

Contains a choose section to specify the correct URL for the Guide to PHARMACOLOGY home link depending on which version is being displayed (test, dev, live)
Contains a div for the breadcrumb that includes the beta_text.html file - displaying both the disclaimer and report a bug button.

includes/head_menu.html

Contains a choose section to specify the correct URL for the Guide to IMMUNOPHARMACOLOGY home link depending on which version is being displayed (test, dev, live)

/GRAC/objectDisplay.jsp

Contains choose section that declared a boolean (true/false) whether to display GtoImmuPdb data. This requires the target to be flagged in GtoImmuPdb (`object` table).

Included in this release

1. **Navigation**

   i. **Menu Bars**
      - Targets
         - The main title on the Targets menu, points to targets.jsp - but this has been modified to display with GtoImmuPdb view.
      - Processes

- • Main title links to new page, ProcessesForward.java (immunoProcessesPage.jsp)
  - • Cell Types
    - • Main title links to new page, CelltypesForward.java (immunoCelltypesPage.jsp)
  - • New menu items for **Resources**
    - • Altered the 3 items that point to GtoPdb to display 'GtoPdb' in their name. This is to help point users to the fact that clicking on these will move them away from the GtoImmuPdb

2. **Portal**

   i. **Panels**

   - • Altered layout of panels to place Processes and Cell Types first, followed by Targets, Ligands, Disease and News.
   - • Contains two links to different views of the same page

3. **Process Page**

   These page are new landing pages for the Processes data type. Accessed from the main title of the Processes menu-bar item, or from the final link on the Processes panel on the portal.

   i. **URL**

   - • *http://www.guidetoimmunopharmacology.org/GRAC/ProcessesForward*

   ii. **Quick links**

   - • Quick links at the top jump to each process category section

   iii. **Process category**

   - • For each category, the title links to the list of targets associated to that process (Process List page - ObjectImmProcessListForward)
   - • Contains list of GO terms included for the category
   - • Contains some additional information contained in the `definition` fields of the `gtip_process` table.

4. **Cell Type Page**

   These page are new landing pages for the Processes data type. Accessed from the main title of the Processes menu-bar item, or from the final link on the Processes panel on the portal.

   i. **URL**

   - • *http://www.guidetoimmunopharmacology.org/GRAC/CelltypesForward*

   ii. **Quick links**

   - • Quick links at the top jump to each cell type category section

   iii. **Cell type category**

   - • For each category, the title links to the list of targets associated to that cell type category (Cell Types List page - ObjectCelltypeAssocListForward)
   - • Contains list of Cell Ontology terms included for the category
   - • This information in contained in the `definition` column of the `immuno_celltype` table

5. **Process Association to Targets Page (prev. Immuno Process Association List Page)**

URL:
http://www.guidetoimmunopharmacology.org/GRAC/ObjectImmProcessListForward? immprocess=2

These pages have been modified following a change to the composition of top-level process categories. GtoImmuPdb now contains 11 categories for this release and the increase has required a subtle redesign of the page.

    i. **Switching process category**

- The tabs used to switch category have been removed and replaced with a pull-down menu.

    ii. **Table content**

- The column showing if the target is curated in GtoImmuPdb has been removed. Only targets flagged in GtoImmuPdb are shown, regardless of whether they have process association data or not.

    iii. **Quick links**

- The quick links allow the user to jump to the relevant target class within the page. This list of classes is now restricted to only those for which GtoImmuPdb has data.

6. **Cell Type Association to Targets Page (prev. Immuno Cell Type Association List Page)**

URL:
http://www.guidetoimmunopharmacology.org/GRAC/ObjectCelltypeAssocListForward? immcelltype=3

These pages have been modified following the changes to the composition of top-level process categories (see point 5). In order to be consistent in display, similar changes were made to the cell type display. There were also changes to the cell type categories, bring the total to 10.

    i. **Switching cell type category**

- The tabs used to switch category have been removed and replaced with a pull-down menu.

    ii. **Table content**

- The column showing if the target is curated in GtoImmuPdb has been removed. Only targets flagged in GtoImmuPdb are shown, regardless of whether they have cell type association data or not.

    iii. **Quick links**

- The quick links allow the user to jump to the relevant target class within the page. This list of classes is now restricted to only those for which GtoImmuPdb has data.

7. **Beta disclaimer and bug report**

A disclaimer has been added to all pages beneath the menu bar giving a disclaimer about the function and content of the beta site. This is accompanied by a bug report button that can be used to send an email to the curators and report bug and feedback.

8. **Disease Associations Pages**

   i. **Preview list of associations**

   - A small change has been made to include a short 'preview' list of either the targets or ligands associated with the disease. Previously the page just showed the number of associations for each disease and the details of the targets or ligands could only be seen by clicking on the show details link.

   - In beta v1.0 the first 3 targets or first 5 ligands are listed, linked to their detailed pages, after the number of associations.

9. **GtoImmuPdb domain**

   The main URL for GtoImmuPdb was switched to be
   www.guidetoimmunopharmacology.org

   (previously, www.guidetopharmacology.org/immuno)

10. **Target GtoImmuPdb display**

    i. **ReceptorFamilyForward (receptorFamilies.jsp)**

    - These pages now display a comment, next to the 'GtoImmuPdb view: ON/OFF', explaining what the highlighting on the families means.

    ii. **FamilyDisplayForward (family.jsp)**

    - When the GtoImmuPdb view is switched on, a statement is displayed above the Receptors/Channels & Subunits/Transporters/Enzymes/Targets to explain what the highlighting means.

    iii. **ObjectDisplayForward (objectDisplay.jsp)**

    - Next to the toggle button a statement is displayed to let user know if there is data in GtoImmuPdb for the target. This is useful when the GtoImmuPdb view is switched off. It also is more useful to not solely rely on highlighting to show if GtoImmuPdb data is present.

11. **Help Page**

    The main GtoImmuPdb help page has been further developed.

    i. **URL**

    - **http://www.guidetoimmunopharmacology.org/immuno/immunoHelpPage.jsp**

    ii. **Content**

    - Content section is extended to give quick links to all sections

    - This page is design as a supplement to the existing GtoPdb help page, so only covers things unique and novel to GtoImmuPdb

- Sections added for Downloading Data, Unique features on Concise Family Page, GtoImmuPdb on Detailed Target pages, GtoImmuPdb info on Ligand Pages, GtoImmuPdb views of Ligand List page, Targets Associations to Processes, Target Associations to Cell Type & Immuno Disease Associations

User guide

Portal

The main portal URL is (**www.guidetoimmunopharmacology.org**).

A schematic, flow-diagram of the way to navigate the GtoImmuPdb is provided in the GtoImmuPdb User Guide: **GtoImmuPdb_Tutorial.pdf**