



IMMUNOLOGY DATABASE
AND ANALYSIS PORTAL

ImmPort's Advanced Search and Lists

Overview

- Goals
- Initial Implementation
- Next Steps



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ImmPort's Advanced Search and Lists

Advanced Search Goals

- Find data in a category and use attributes or characteristics of the same and additional categories to refine your search
- Create a sophisticated, but not complicated tool to find what you want
- Complement the 'Data Management' browse

- Save search and analysis results to view and re-use in search and analysis



IMMPORT

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Initial Implementation

- Search Research Data descriptions uploaded to ImmPort
- 'Tree' view of categories and attributes (i.e. folders and files paradigm)
- 'All' attributes supported in data submission templates are searchable
- Filters are applied as Boolean 'AND'
- Custom display of summary results
- Link to additional details
- Save Lists
- Use Lists



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Advanced Search

See the projects being searched

Selected Projects

Change Projects

Using Advanced Search:

1. Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
2. Choose a folder to refine your search. It can be the same or different data type from the data you want to find
3. Click on the data feature(s) you want to search.
4. Enter search terms for one or more features.

Research Projects:

ImmPort Ontology Development
Integrative Genotyping Analysis in the Immunology Database and Analysis Portal

Collaborative Projects:

'Search For'

Advanced Search - Selected Return Data Type : Subject

Please Choose Data Type to Find : Results per page : 25

Advanced Search Attribute Tree

- Subject
 - Species
 - Saved List
- Demography
 - Gender
 - Ethnicity
 - Race
 - Population Name
 - Religion
 - Age at Enrollment
- Identifiers and Description
 - Accession
 - User Def Subject Org Id
 - Subject Description
- Phenotype
- Pedigree Information
- Non-Human Information
- Audit Information
- Treatment
- Protocol
- Biological Sample

Subject: Species

Subject: User Def Subject Org Id

Like
Exact Match
Starts With
Ends With

Drosophila melanogaster
Gallus gallus
Homo sapiens

Remove

Remove

Category and Attributes 'Tree' View

Free text descriptions are available for many attributes

Preferred Values are available for some attributes

Free text search options



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Next Steps

- Extend to content from public science repositories
("Reference" data from NCBI, UniProt, KEGG, etc.)
- Detail pages will have hyperlinks
- Additional attributes in summary result display
- Remember recent searches
- Search experiment result contents
- Use lists to create data sets for analysis tools
- Describe how lists were created
- Edit list contents

What else should we do?

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