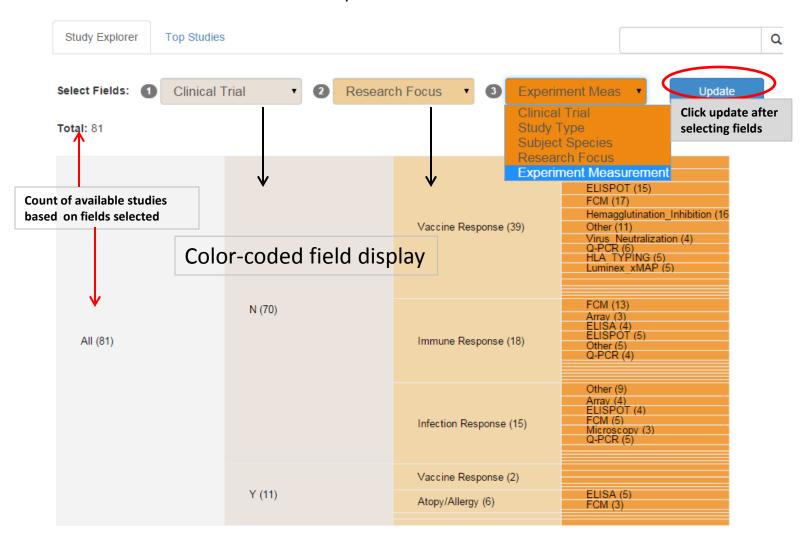
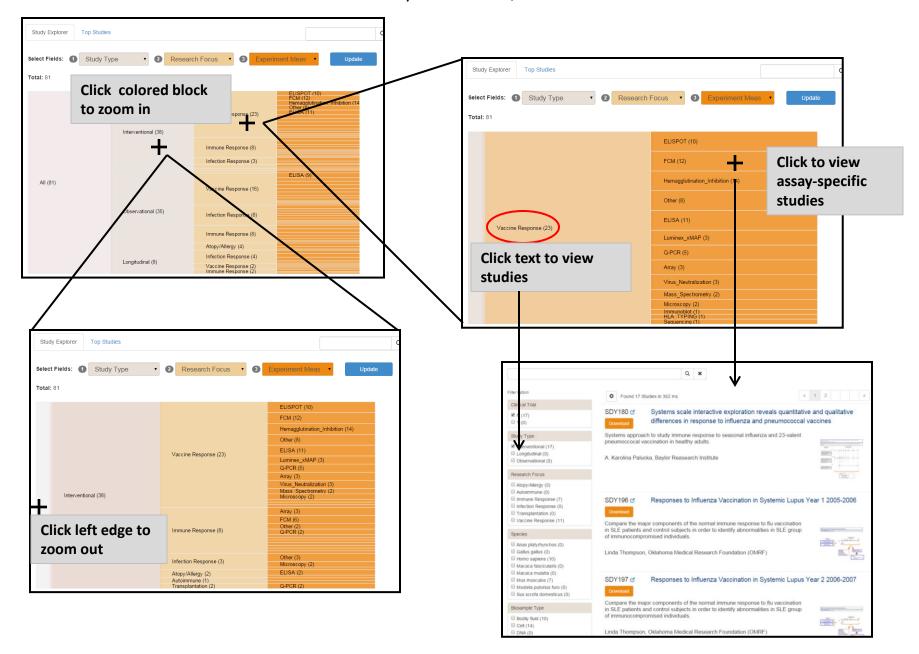


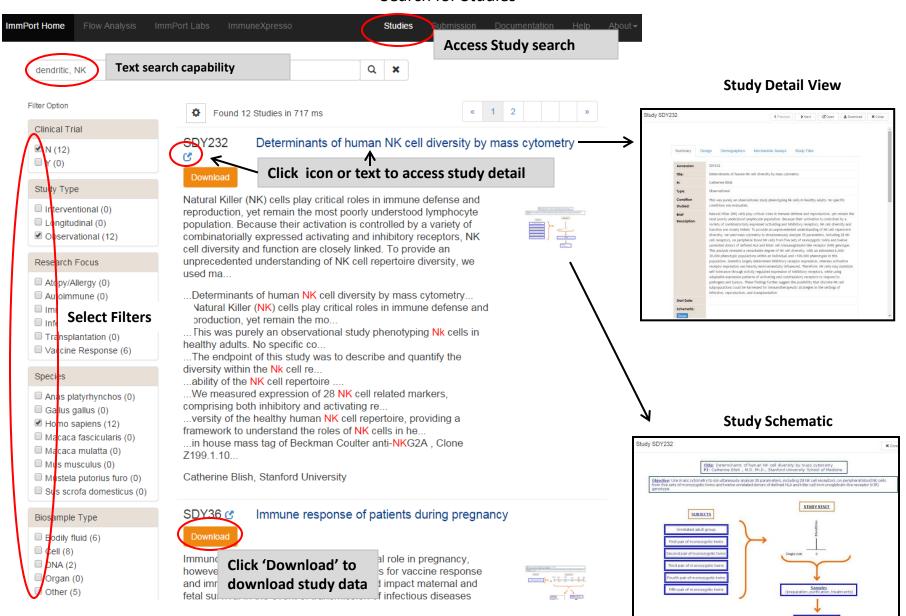
Study Filter: Select Fields



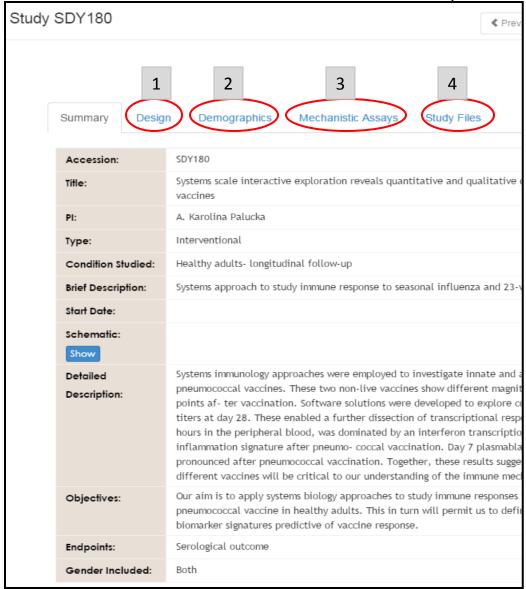
Study Filter: zoom, detail view

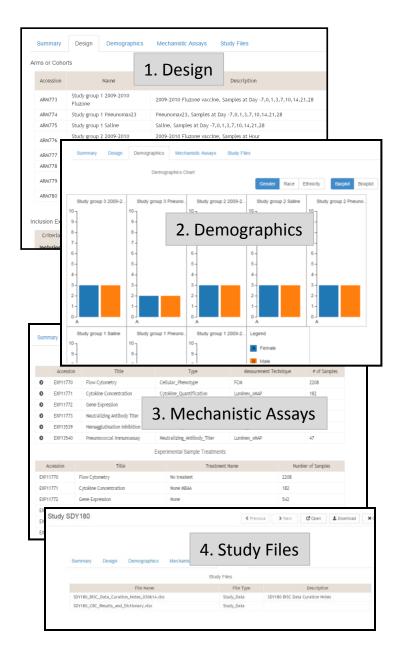


Navigating ImmPort.org Search for Studies



Study Detail



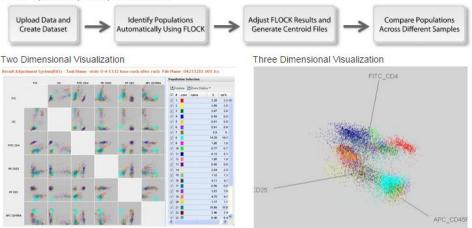


ImmPort Home News Studies:95, Subjects:18510, Experiments:404 Website update this weekend We will be offline this Saturday for site maintenance June 2014 - ImmPort released 2 new studies with updates to 8. What is ImmPort? Just released! Looking for flow cytometry data? ImmPort is a long-term, sustainable data warehouse for the purpose of promoting re-use of immunological data Over 3400 flow cytometry files can be found in generated by NIAID DAIT and DMID funded investigators. the University of Washington TLR/ligand studies (SDY281, SDY282, SDY283, SDY284) The Immunology Database and Analysis Portal (ImmPort) system was developed under the Bioinformatics Integration more > Support Contract (BISC) Phase II by the Northrop Grumman Information Technology Health Solutions team for the National Institutes of Health (NIH), National Institute of Allergy and Infectious Diseases (NIAID), Division of Allergy, HIPC Standards Working Group presented at Immunology, and Transplantation (DAIT). Bio-Ontologies 2014: "Ontology-Aware Study Explorer Top Studies Featured studies Q 0000 click to view more Thirty-four children were entered into a pilot trial of calcineurin inhibitor avoidance after living-donor kidney transplantation. Patients were treated with anti-CD25 mAb, prednisone, mycophenolate mofetil, and sirolimus. It is concluded that calcineurin inhibitor?free immunosuppression can be safe and effective in pediatric living-donor renal transplantation. PubMed ID: 16687625 DOWNLOAD DATA PACKAGE

Click 'Flow Analysis' for information about ImmPort Flow Cytometry Analysis module

Flow Analysis ImmPort

Flow Cytometry Analysis Workflow



The links below will direct you to the ImmPort Flow Cytometry Analysis tools which require a login to keep your data private.

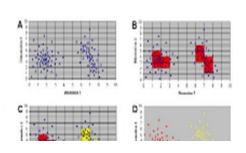
ImmPort's flow cytometry analysis component includes:

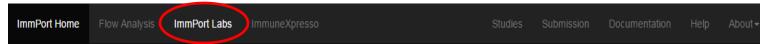
- Data Management for Single File Upload, Multiple File Upload and Dataset Generation (2)
- Automated population identification using the FLOCK algorithm for individual sample or dataset
- Automated mapping populations across sample for Cross-Sample Comparison
- Result visualization and statistical analysis of population characteristics

FLOCK Algorithm Overview

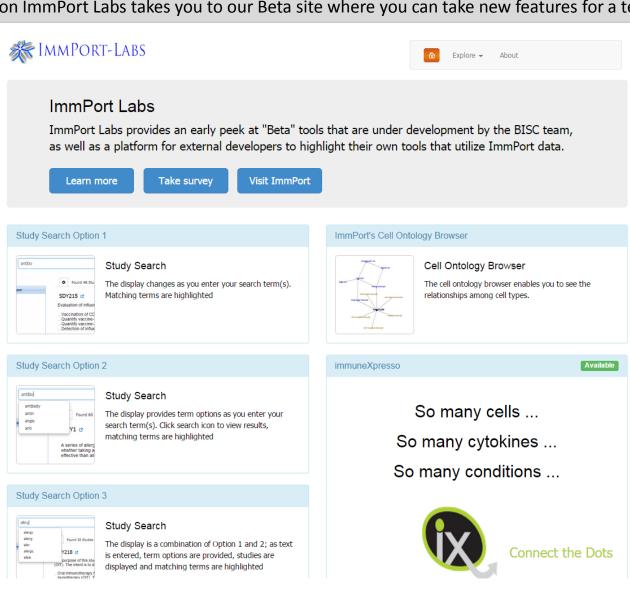
The FLOCK algorithm consists of four core steps: hyper-grid creation, identifying dense hyper-regions, mergingneighboring dense hyper-regions, clustering based on centroids derived from the merged dense hyper-regions.

- A) A gridding example. Each dimension corresponds to one measured characteristics(e.g. fluorescence at at
 given wavelength). Each dot is one event(e.g. data about a cell) with characteristic values (e.g. fluorescence
 intensity) as its coordinates. A number of equal-sized partitions (in this example the number is ten) are created
 on each dimension to generate a hyper-grid.
- B) Dense data hyper-regions. Density of a data hyper-region is calculated based on the number of events inside
 the region. A density threshold is determined by a data-driven approach described in the Methods section.
 Hyper-regions having larger number of events than the density threshold is set at two and the resulting dense
 hyper-regions are marked in red.



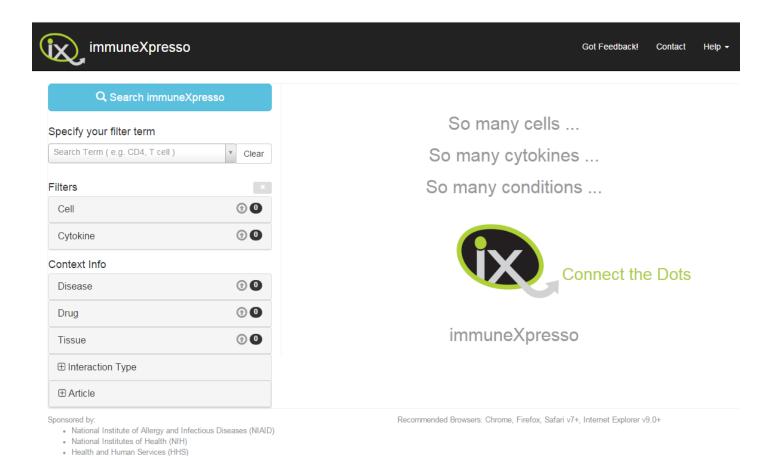


Clicking on ImmPort Labs takes you to our Beta site where you can take new features for a test drive





Click on ImmuneXpresso to access the ImmunXpresso knowledge base



The ImmPort Ecosystem

The ImmPort Ecosystem is comprised of a number of resources, each contributing to the richness of ImmPort's public data. For instance, ImmPort experiment samples link out to GEO, dbGAP, IPD-KIR and others. Reagents identified in ImmPort link to Antibody Registry while ImmuneXpresso and Cell Ontology Browser facilitate scientific queries. Please feel free to browse the Ecosystem--click an icon and explore!

