NCOR: National Center for Ontological Research

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About NCOR

http://ncor.us

The National Center for Ontological Research (NCOR) was established in Buffalo in 2005 with the goal of advancing the quality of ontological research and development and of establishing tools and measures for ontology evaluation and quality assurance. NCOR draws on the expertise of ontologists associated with the University at Buffalo and of their collaborators in scientific, commercial and government institutions throughout the world.

NCOR serves as a vehicle to coordinate, enhance, publicize, and seek funding for ontological research activities. It provides coordination, infrastructure, and independent review to organizations employing ontologies in fields such as defense and intelligence, management, healthcare and biomedical sciences.

ImmPort
Bioinformatics For The Future of Immunology

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ImmPort's Mission

ImmPort is a long-term, sustainable data warehouse for the purpose of promoting re-use of immunological data generated by NIAID DAIT and DMID funded investigators.

ImmPort supports analysis of flow cytometry results and HLA genetic associations.

- What is ImmPort

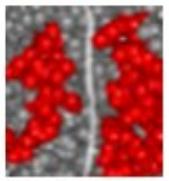
https://immport.niaid.nih.gov/

Flow Cytometry Analysis (FLOCK)

Flow cytometry analysis component includes:

- Automated cell population identification
- Result visualization in 2D and 3D

MHC Validation and Analysis



MHC Sequence Feature Variant Type (SFVT) Analysis enables genetic association analysis of classical HLA protein sub-regions defined with structural (e.g. helix) and functional (e.g. binding site) information.

Data Release

December 2013 - NIAID/ImmPort has released 2 new studies in ImmPort and updates to 4. The new studies investigated human and murine immune responses to influenza or pneumococcal vaccination using ELISA, ELISPOT, gene expression and flow cytometry assay

Improve NIAID-funded research through enhanced

- Collaboration
- Coordination
- Integration
- Analyzability
- Discoverability

http://ncorwiki.buffalo.edu/index.php/Immunology_Ontologies