



WORKSHOP

Title: Overview and new features of the Influenza Research Database (IRD)

Presenters: Richard Scheuermann, Yun Zhang (subject to change)

Location: Masters Hall (in the same room as the OFFLU meeting)

Date & time: Wednesday April 15th, 5-6 pm (immediately following the OFFLU meeting)

Description:

The Influenza Research Database www.fludb.org is a freely available, one-stop database and analysis resource to search, analyze, visualize, save and share influenza virus data, sponsored by the U.S. National Institute of Allergy and Infectious Diseases (NIAID). IRD captures various types of information, including sequence records, gene and protein annotations, phenotype markers, 3D protein structures, immune epitope locations, clinical and surveillance data, host response data, and novel data derived from comparative genomics analysis. Analytical and visualization tools for BLAST search, multiple sequence alignment, computationally intensive phylogenetic tree construction, metadata-driven statistical sequence analysis, sequence variation determination, host factor enrichment analysis, short peptide identification, PCR primer design, genome sequence annotation, HPAI H5N1 clade classification, and surveillance data visualization are also provided. The workshop will provide a live demonstration of IRD's major search and analysis capabilities, highlighting new features added during recent releases.
