OPENFURTHER: TRANSLATING DATA MODELS

HEALTHCARE IT

Informatics platform that supports federation and integration of data from heterogeneous and disparate data sources.

TECHNOLOGY TYPE
Interoperability
Software
Bioinformatics
Research Tool
Networks and Communication

STAGE OF DEVELOPMENT
- In use at the University of Utah’s Center for Clinical and Translational Services.
- Open source version available online.

IP PROTECTION
Copyright Registration in Progress

LEARN MORE
For more information on OpenFurther, please visit http://www.openfurther.org.

Reference Number: U-5725

David Hadley
Technology Manager
david.hadley@tvc.utah.edu
801-587-0519

TECHNOLOGY SUMMARY
Healthcare data, particularly for research, is often located on multiple, disparate databases. Querying multiple databases to identify the necessary information can sometimes take months, which delays research significantly. OpenFurther is a next generation federation architecture database built to connect disparate data resources. Using this software, heterogeneous data from different databases is transported into a single location. The database preserves heterogeneous data types in their native format, which allows querying of multiple kinds of healthcare data (genotypic, phenotypic, clinical, environmental, public health). OpenFurther provides researchers an efficient way to search multiple healthcare databases at once, helping researchers gain new knowledge and speed up the delivery of data from months to minutes.

FEATURES AND BENEFITS
- Enables faster compilation time for healthcare data queries.
- Aggregates data from different databases.
- Supports multiple data types.
- Facilitates assessment of study feasibility.

RECENT PUBLICATIONS

INVENTOR PROFILE
Bruce Bray, M.D., Professor - Biomedical Informatics
Joyce Mitchell, Ph.D., Professor Emeritus - Biomedical Informatics
Scott Narus, Ph.D., Associate Professor – Biomedical Informatics
Ramkiran Gouripeddi, Ph.D., Research Assistant Professor – Biomedical Informatics
John Hurdle, Ph.D., M.D., Professor – Biomedical Informatics

DATE UPDATED: 3/29/2018