

PROTEOME™ (HumanPSD™+TRANSPATH®) release 2017.3

The Human Proteome Survey Database (HumanPSD™) with focus on human proteins as disease biomarkers and drug targets contains these new data features:

- **Integration of new clinical trial (CT) data sources**

Integration of new data on clinical trials from clinicaltrials.gov and OpenTrials (<https://opentrials.net/>), covering studies from, among others, European, Japanese and Australian registries. The number of CT-Disease-Drug assignments increases from 227,170 to 349,417, while the CT-Disease assignments increase from 316,785 to 641,872.

- **Improved user data management**

The "storage" link in the "my data" menu loads an overview page with usage space statistics for each stored user data file or result list. Obsolete files can be deleted directly to stay within the allotted user space.

- **Quick search for disease and drug entries**

The quick search menu includes now options to search for diseases or drugs by external identifiers, such as MeSH ID, Drugbank ID, or Pubchem CID.

- **Link-out to BRENDA professional - the comprehensive enzyme information system**

Locus reports of genes/proteins with enzymatic function now contain links to [BRENDA](http://www.brenda-enzymes.org), which can be accessed by users with a valid BRENDA subscription.

The TRANSPATH® database on mammalian signal transduction and metabolic pathways contains these new data features:

- **New phosphorylation targets content**

1,000 new phosphorylation reactions have been added, describing substrates and their phosphosites for key kinases such as ERK1, SYK, Plk1, and Aurora-A/B.