2018 Press Release

FOR IMMEDIATE RELEASE

CHEMICAL COMPUTING GROUP RELEASES THE NEW VERSION OF ITS PROTEIN STRUCTURE DATABASE SYSTEM - PSILO 2017.12

MONTREAL, Canada, April 04, 2018 - Chemical Computing Group (CCG) announces the release of PSILO 2017.12. PSILO is a structure database and visualization system that provides an easily accessible, consolidated repository for macromolecular and protein-ligand structural information. It offers research organizations a means to systematically track, register and search both experimental and computational macromolecular structural data. A web-browser interface facilitates the searching and accessing of public and private structural data. New and enhanced features in PSILO 2017.12 include:

- **Use the MOE sketcher to sketch ligands and define the full range of PSILO 3D queries**
- **Evaluate TCR-MHC interactions and binding using the specialized TCR and MHC protein family databases**
- **Import and export PSILO files using the Macromolecular Transmission Format (MMTF)**
- **Deposit and view structure records more efficiently with optimized Oracle settings**
- **Visualize PSILO records in 3D using the NGL web-based molecular viewer**

The PSILO 2017.12 release includes a variety of new features and enhancements for viewing records and for searching and aligning proteins. Ligand and the full range of PSILO 3D queries can now be sketched using the new Java Script-based MOE sketcher. PSILO now includes T-Cell Receptor (TCR) and Major Histocompatibility Complex (MHC) specialized protein family databases, in which the TCR and MHC structures have been combined and placed into the same frame of reference for easy comparative analysis. Finally, significant increases in structure deposition and viewing speed have been applied through optimized Oracle settings.

Additional important features in PSILO 2017.12 include: support for importing and exporting Macromolecular Transmission Format (MMTF) binary format files and support for SMTP server with authentication.

For further information about PSILO 2017.12, please contact: sales@chemcomp.com

About Chemical Computing Group

Chemical Computing Group (CCG) is a leading supplier of software solutions for Life Sciences. Since its inception in 1994, CCG has been providing state-of-the-art applications for drug discovery to pharmaceutical, biotech and academic researchers. CCG's products and services are used by biologists, medicinal chemists and computational chemists throughout the world. Chemical Computing Group has a proven track record in scientific innovation, consistently releasing new versions and upgrades for all its products. CCG has a strong reputation for collaborative scientific support, with offices in both North America and Europe. CCG headquarters are in Montreal, Canada. **For more information visit:** www.chemcomp.com

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