



For Immediate Release:

Sept. 27, 2007

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Biosof LLC Receives Distribution Rights to Computational Biology Software Developed at Columbia University Medical Center

Biosof Obtains Distribution Rights for PredictProtein, the First and Most Widely Used Internet Server for Protein Structure Prediction

New York – Biosof LLC, a leading provider of computational biology solutions for the drug discovery industry, today announced that it has reached an agreement with Columbia University Medical Center that provides Biosof the rights to commercially distribute a host of software and databases, including PredictProtein, the premier computational suite for protein structure research.

Developed by Dr. Burkhard Rost, associate professor in the Department of Biochemistry and Molecular Biophysics (www.cumc.columbia.edu/dept/gsas/biochem), and a faculty member at the Center for Computational Biology and Bioinformatics (C2B²) at CUMC, PredictProtein is an Internet service for sequence analysis and prediction of protein structure and function. PredictProtein was one of the first internet servers in molecular biology and the first server for protein structure prediction. It went on-line in 1992 at the European Molecular Biology Laboratory in Heidelberg, Germany. In 1999, Dr. Rost joined Columbia's faculty and brought the PredictProtein technology to Columbia, where it has been hosted and improved by Dr. Rost himself and other Columbia investigators. PredictProtein is embedded into the infrastructure of C2B², which is hosted by Columbia University Medical Center's Herbert Irving Cancer Center.

To use the software, users submit protein sequences online; PredictProtein returns predictions of secondary structure, solvent accessibility, trans-membrane helices, multiple sequence alignments, sequence motifs, low-complexity regions, nuclear localization signals, regions lacking regular structure and globular regions, coiled-coil regions, structural switch regions, disulfide-bonds, sub-cellular localization, and functional annotations. Additional analysis includes fold recognition by prediction-based threading, domain assignments, predictions of trans-membrane strands and inter-residue contacts. Since its inception, PredictProtein, or one of the original methods that it uses, has been cited in over 9,000 scientific publications.

Biosof also will distribute CONBlast, an improved blast search algorithm, Genetegrate, an innovative semantic-based data integration system, PiNAT a system biology modeler and UniqueProt a solution for creating unbiased data sets of protein sequences.

About Biosof

Established in 2004, Biosof LLC is a leading provider of Computational Biology solutions for the drug discovery industry. Biosof's world acclaimed software helps scientists to solve a wide array of today's drug discovery questions.

For more information about Biosof, visit www.bio-sof.com

For more information about PredictProtein, visit www.predictprotein.org

About Columbia University Medical Center's STV Office

Columbia University's technology transfer office, Science & Technology Ventures (STV), specializes in technology commercialization via licensing and new company formation, and was created to facilitate the transfer of scientific discovery and innovation from the university setting into the marketplace. For more information on Science & Technology Ventures, visit www.stv.columbia.edu or email stvhelp@columbia.edu.

About Columbia University Medical Center

Columbia University Medical Center provides international leadership in basic, pre-clinical and clinical research, in medical and health sciences education, and in patient care. The medical center trains future leaders and includes the dedicated work of many physicians, scientists, nurses, dentists, and public health professionals at the College of Physicians & Surgeons, the College of Dental Medicine, the School of Nursing, the Mailman School of Public Health, the biomedical departments of the Graduate School of Arts and Sciences, and allied research centers and institutions. www.cumc.columbia.edu