



Optibrium and Cresset Announce Technology Collaboration

Technology exchange combines unique methods for design of novel, high quality compounds in drug discovery

CAMBRIDGE, and WELWYN GARDEN CITY, UK, January 4th, 2012 – [Optibrium](#), a provider of software solutions for drug discovery, and innovative software and services provider [Cresset](#), today announce an agreement to collaborate on the development of next-generation platforms. The innovative companies will work together, combining unique approaches to help drug discovery projects quickly identify novel, potent compounds with a high chance of success downstream.

The collaboration will involve a two-way exchange of technologies: Optibrium's ADME¹ models, currently provided as a plug-in module for its [StarDrop™](#) software platform, will be made available to users of Cresset's desktop applications. Similarly, Cresset's [FieldAlign™](#) software, which helps chemists understand the three-dimensional structure-activity-relationship of their chemistry in order to design active compounds, will be made available as an optional plug-in module for StarDrop, which helps project teams to confidently target compounds with a good balance of properties for their therapeutic objectives.

Achieving a combination of potency with appropriate ADME and safety properties is essential to the discovery of high quality drug candidates. Cresset's molecular [field technology](#) provides unique insight into the biological activity, properties and interactions of molecules, which enables biologically meaningful comparisons that are not limited by two-dimensional structure. Optibrium's StarDrop platform helps to guide decisions on the design and selection of compounds by integrating *in silico* and experimentally measured properties using a unique multi-parameter optimisation approach, chemical space and Glowing Molecule™ visualisations and predictive modelling.

Dr. Matthew Segall, CEO of Optibrium, said, "We are very happy to be working with the team at Cresset. This collaboration furthers our aim to deliver leading edge *in silico* technologies directly to the desktop of all drug discovery scientists through StarDrop's user friendly, interactive interface. The new FieldAlign module in StarDrop will bring a powerful 3D view of compound interactions that will complement StarDrop's existing 2D QSAR models."

Dr. Robert Scoffin, CEO of Cresset, added "This collaboration is an excellent opportunity for two companies to combine talents and technologies in order to offer a better product to our combined customers. This highlights the power of bringing together complementary technologies from leading-edge companies to better address problems in Drug Discovery."

The technology shared under this collaboration will form new components in upcoming releases of Optibrium's StarDrop and Cresset's desktop applications. Full details of these exciting new developments will be announced soon.

For more information about StarDrop and Optibrium's software solutions please visit www.optibrium.com, alternatively please call +44 (0) 1223 815 900 or email info@optibrium.com.

For more information about Cresset's software and service solutions please visit www.cresset-group.com, alternatively please call +44 (0) 1707 356 120 or email sales@cresset-group.com.

¹ Absorption, Distribution, Metabolism and Elimination

About Optibrium Ltd

Optibrium (www.optibrium.com) is dedicated to providing software to guide decisions involving complex, uncertain data in an intuitive way. Based in Cambridge, UK, Optibrium has a global customer base ranging from top-ten pharmaceutical companies to small biotechs and academic groups. Our mission is to continue to develop new technologies that will optimise project strategy, reduce wasted molecules and experiments, shorten timelines and improve the quality of candidate compounds for our clients. Optibrium's primary product, StarDrop, is focused on the drug discovery industry, helping guide scientists to make decisions in the design and selection of high quality drug candidates. Visit the online community at <http://www.optibrium.com/community/> for further discussions on improving the productivity of drug discovery.

About Cresset Group Ltd

Cresset develops software for calculating and comparing the molecular Field characteristics of chemical compounds. Field technology uses the surface properties of molecules to evaluate their activities and properties, rather than relying on 2D structure similarity, which enables Cresset's users to find more interesting, novel and relevant results than other methods. Cresset's Fields provide a smarter, structure independent way of hit-finding, lead switching and lead optimization in drug discovery and other chemistry-based research projects. Cresset's Field technologies have been successfully applied to a very wide range of target classes, with and without structural information, on over 100 projects for major pharmaceutical and biotechnology companies. www.cresset-group.com

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