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DeepMatter Group PLC
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DeepMatter Group plc
("DeepMatter", or the "Group")

Publication of Paper in *Science*

DeepMatter, the AIM-listed company focusing on digitizing chemistry, announces that its founding scientific director, Professor Lee Cronin, and his colleagues at the University of Glasgow have today published a paper in*Science*, a leading international journal. DeepMatter has rights to intellectual property arising from the laboratory of Professor Cronin as part of its Intellectual Property and Royalty agreement with the University of Glasgow.

The paper describes for the first time a method of molecule production which uses downloadable 'blueprints' to easily and reliably synthesise chemicals, such as drug molecules, automatically via a programmable chemical-robot: a 'Chemputer'. The idea of the 'Chemputer' is underpinned by a universal and interoperable standard for writing and sharing chemical recipes, developed by the University of Glasgow team. A number of the scientific concepts detailed in this paper make up a critical part of DeepMatter's commercial strategy.

DeepMatter has used its own universal and interoperable standard for writing and sharing chemical recipes as part of its DigitalGlassware™ platform. Currently, the platform allows experiments to be accurately and systematically recorded, coded and entered into a shared data cloud. It is designed to enable scientists to work together effectively, sharing the details of their experiments in real time from anywhere so that work is not needlessly duplicated, time and money wasted, and ultimately so that new discoveries may be made faster.

DeepMatter's long term goal is to use DigitalGlassware™ to control robotics and to ultimately progress towards a commercially viable Chemputer™. In 2017, as part of its strategy to build its commercial market presence for the digitization of chemistry, DeepMatter registered the trademark for the Chemputer™ brand.

The full scientific Paper, 'Organic synthesis in a modular robotic system driven by a chemical programming language' can be found at www.sciencemag.org

Mark Warne, CEO of DeepMatter, commented:

"We are very pleased to see the work of our founding scientific director published in Science today. The recognition of such an esteemed publication demonstrates the significance of both the University of Glasgow's important research and our work here at DeepMatter, translating these advances into a commercially viable strategy.

"We believe that these developments can truly disrupt the way in which process and discovery chemistry is carried out today, bringing huge financial benefits to those working in these industries. We are very pleased to have the first stage of the DigitalGlassware™ launch underway and look forward to continuing to educate chemists worldwide as to the benefits of using the platform."

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About DeepMatter:

DeepMatter's long term strategy is to integrate chemistry with technology, thereby enabling a greater use of artificial intelligence and reaching a point where chemicals can be autonomously synthesised through robotics. In the near term this involves the provision of an integrated software, hardware and artificial intelligence enabled platform, DigitalGlassware™, to scientists across research and process development sectors.

The DigitalGlassware™ platform allows chemistry experiments to be accurately and systematically recorded, coded and entered into a shared data cloud. The platform is designed to enable chemists to work together effectively;

sharing the details of their experiments from anywhere and in real-time, so that work is not needlessly duplicated, time and money wasted, and ultimately so new discoveries may be made faster.

More information is available here: http://www.deepmattergroup.com

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