



C4X Discovery Holdings plc

("C4XD", "C4X Discovery" or the "Company")

C4XD presents data on its lead addiction programme: Orexin-1 antagonist

Programme demonstrates potential application across a broad range of substance use disorders

13 November 2017 – C4X Discovery Holdings plc (AIM: C4XD), a pioneering drug discovery company, presented new pre-clinical data on its Orexin-1 antagonist programme at Neuroscience 2017 on 11th November 2017 in Washington, DC.

C4XD's lead programme, Orexin-1, aims to treat addiction by targeting the "craving" process itself and, therefore, can be applied across a broad range of substance use disorders. Of particular note, C4XD announced new efficacy data of its lead compound, C4X_3256, in *in vivo* models of nicotine self-administration and cue-induced reinstatement. This supports the development of this compound as a therapy across two distinct areas of nicotine abuse; smoking cessation and relapse in smokers.

Clive Dix, Chief Executive Officer of C4XD, said: "This set of studies strengthens C4XD's pre-clinical data package for our lead Orexin-1 antagonist programme. We strongly believe that the programme presents a compelling commercial case for partnership due to its broad applicability to substance use as well as related disorders, such as anxiety, post-traumatic stress disorder, and impulse control. This is supported by the high level of pre-clinical partnering interest received that have enabled us to enter late-stage commercial discussions."

Data presentation details:

Title: Efficacy of a novel selective oral Orexin 1 receptor antagonist in rat models of nicotine self-administration and reinstatement

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To view the full abstract, please follow this [link](#).

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About C4X Discovery

C4X Discovery aims to become the world's most productive drug discovery engine by exploiting cutting edge technologies to design and create best-in-class small-molecule candidates targeting a range of high value therapeutic areas. The company's goal is to drive returns through early-stage revenue-generating deals with the pharmaceutical industry.

C4X Discovery has a state-of-the-art suite of proprietary technologies across the drug discovery process. The company's innovative DNA-based target identification platform (Taxonomy3[®]) utilises human genetic datasets to identify novel patient-specific targets leading to greater discovery productivity and increased probability of clinical success. This is complemented by C4XD's novel drug design platform which comprises two innovative chemistry technologies, Conformetrix and Molplex, that combine 4D molecular shape analyses (based on experimental data) with best-in-class computational chemistry. This provides new and unprecedented insight into the behaviour of drug molecules, enabling the production of potent selective compounds faster and more cost effectively than the industry standard.

C4X Discovery is advancing its in-house pipeline in addiction, diabetes and inflammation with a number of new drug candidates identified and further progress made towards the clinic. In selecting new targets C4X Discovery will focus on the high-value disease areas of inflammation and neurodegeneration, and will continue to maximise value from opportunistic areas, for example, immuno-oncology, addiction, and diabetes.

The Company was founded as a spin-out from the University of Manchester. It has a highly experienced management team and Board who have delivered significant value creation within the healthcare sector historically and have enabled C4XD to reach multiple value inflexion points since IPO. For additional information please go to: www.c4xdiscovery.com