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Waters, University of Delaware announce bioprocessing innovation partnership

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Partnership will focus on developing analytical solutions to better characterize bioprocesses towards improved quality, yields and efficiency



Waters Corporation and the University of Delaware, US have announced a five-year research partnership to develop new analytical solutions for bioprocessing and biomanufacturing.

Key to this partnership is Immerse™ Delaware, an Innovation and Research Lab, set to open in early 2022 located at the University of Delaware Science, Technology and Advanced Research (STAR) campus. At Immerse Delaware, Waters will partner with students and faculty to identify and address the most significant challenges facing the biopharmaceutical industry.

Waters is partnering with University of Delaware because of its leadership in chemical and biological manufacturing research as well its active support and close proximity to the National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL), a collaborative effort amongst industry, academia, and regulators.

The Immerse Delaware Lab will feature a purpose-built research test bed, with a focus on leveraging LC-MS and adjacent technologies to support bioprocess engineers' empirical data in the areas of process and informatics. Initial projects at Immerse Delaware will seek to gain a deeper understanding of novel schemes to quantify and ultimately minimize process-related impurities from uncontrolled glycosylation, which negatively impacts drug efficacy. These will be paired with informatic solutions to predict the evolution of biotherapeutic products.