

Japan's Daiichi Sankyo establishes Smart research lab in US to expedite drug discovery

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Japanese pharmaceutical firm Daiichi Sankyo has established a state-of-the-art research laboratory in San Diego, California, US, dedicated to the development of robotics, automation and sophisticated software to improve and expedite its overall drug discovery efforts.

Technology developed at the new laboratory will automate drug discovery tasks that generate data for downstream analysis. The laboratory will develop a comprehensive collection of software and hardware tools to collect massive amounts of data necessary to generate potential drug candidates faster and to support AI-based approaches in drug discovery, enhancing Daiichi Sankyo's capability to innovate.

"Ultimately, Daiichi Sankyo aims to accelerate the development of life-changing medicines and deliver them to patients around the world as quickly and efficiently as possible," said Ken Takeshita, MD, Global Head, R&D, Daiichi Sankyo. "By leveraging the extensive data collected by our autonomous robotics that operate continuously and cutting-edge software for automated orchestration and data management, the laboratory is set to revolutionise our research processes as it will not only achieve unprecedented levels of repeatability and productivity but also enable our scientists to concentrate on intellectual advancements and leverage AI-based analytical tools."