

Helix BioStructures, Hybridization of Academic and Industrial Operations

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Abstract

Helix BioStructures, LLC as a premiere contract research organization, providing structural biology services to the biopharmaceutical industry. Our services include all aspects of structural biology and are performed with clarity, integrity, and professionalism. We have the capability to successfully complete projects from conception, cloning, expression, purification, crystallization, X-ray data collection, and structural refinement/determination in efficient manner and cost advantages. We provide the most up-to-date techniques available at the most advanced synchrotron facilities around the world in providing our renown services. A technique that has improved and expedited the realm of protein crystallography and X-ray data collection has been through robotic automation such as diffraction centering and high-throughput crystallization. Furthermore, we have certain aspects of our operations where we work in hybrid fashion between academia and industry. This can be for utilization of certain scientific instrumentation or a pipeline for scientific academic discoveries that can then be commercialized for advancements in treatment and optimized drug design. Helix invokes this method of operations to mutually benefit those in academia as well as our own business proposals. We find that through shared capabilities and experiences, commerce can be hybridized to benefit the aspects of education in academia leading to the betterment of human treatment by improved medicine in industry.

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