

Collaborative Drug Discovery for the 21st Century

Written by Matt Segall

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In this webinar, held on 30 November 2016, Barry Bunin, CEO of Collaborative Drug Discovery, describes their CDD Vault software, including Activity & Registration, Visualization, Inventory, and ELN capabilities, which all address today's markets. He also discusses the latest research from their Research Informatics Group, including BioAssay Express and TraVerse.

To hear the narration, please increase your speaker volume.

Abstract

Web-based platforms are a natural fit for collaboration due to the economic, architectural, and design benefits of a single platform that transcends any one organisations' solo requirements. Via the CDD Vault® API, researchers can seamlessly connect in real time between project data, securely held and managed in CDD Vault, and StarDrop's unique compound design and optimisation capabilities.

In this webinar, Dr Barry Bunin, the CEO of CDD, will describe their CDD Vault software, including Activity & Registration, Visualization, Inventory, and ELN capabilities, which all address today's markets. He will also describe how their Research Informatics Group is developing the technologies for tomorrow's needs, including:

The recently developed BioAssay Express (BAE) technology which streamlines the conversion of human-readable assay descriptions to computer-readable information. This enables researchers to easily search and combine similar bioassay protocols. BAE unleashes the full power of informatics technology on data that could previously only be organized by crude text searching.

TraVerse, which allows experts to assemble, annotate, transform, and prioritize scientific hypothesis. Given the explosion of data repositories, information silos are abundant. However, there is no easy way for researchers to traverse them all. By providing a dynamic spreadsheet interface and common semantics to connect these disconnected chemical and biological data repositories, we can begin to fully utilize the world's collective knowledge.