

## PRESENT AND FUTURE COLLABORATIVE DRUG DISCOVERY INFORMATICS INNOVATIONS.

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### Abstract

Collaborative Drug Discovery (CDD) provides a whole solution for today's biological and chemical data needs, differentiated by ease-of-use and superior collaborative capabilities. CDD Vault® software includes Activity & Registration, Visualization, Inventory, and ELN capabilities. Researchers can archive, mine, and securely collaborate within CDD Vault. Collaborative hypothesis generation and evaluation allow multiple perspectives for multi-parameter optimization.

CDD's Research Informatics Group invents bleeding edge technologies. For example, the recently developed BioHarmony data store provides real-time semantic drug reports online at [www.biometadata.com](http://www.biometadata.com). In addition, BioHarmony Annotator allows more sophisticated assay registration and management.

Case studies will be shared from industry (Jubilant Biosys), government (NIH Neuroscience Blueprint), non-profit (Gates Foundation), and numerous leading academic collaborations.

### Biography:

Barry A. Bunin, Ph.D. is the CEO of Collaborative Drug Discovery. Dr. Bunin has overseen \$50 million in business transactions over the last two decades. Prior to CDD, he was an Entrepreneur in Residence with Eli Lilly & Co. Dr. Bunin is on a patent for Kyprolis™ (Carfilzomib for Injection) — a selective proteasome inhibitor that received accelerated FDA approval for the treatment of patients with multiple myeloma that was widely viewed as the centerpiece of Amgen's \$10.4 Billion acquisition of Onyx Pharmaceuticals.

### References:

- Austin-DeFares, Beth & Bunin, Barry. (2015). The Impacts and Benefits of Engaging STEM Students in Maritime Security Research. *Marine Technology Society Journal*. 49. 45-52. 10.4031/MTSJ.49.4.6.
- Trischitta, Patrick & Salloum, Hady & Bunin, Barry & Orton, Philip. (2012). Mitigating threats of small vessels to maritime security. 654-659. 10.1109/THS.2012.6459926.
- Sutin, Alexander & Bunin, Barry & Sedunov, Alexander & Sedunov, Nikolay & Fillinger, Laurent & Tsionskiy, Mikhail & Bruno, Michael. (2010). Stevens Passive Acoustic System for underwater surveillance. 2010 International Waterside Security Conference, WSS 2010. 1 - 6. 10.1109/WSSC.2010.5730286..
- Benilov, A. & Bunin, Barry & Dardier, G. & Sutin, Alexander & Zeng, Debing & Martini, Rainer. (2010). On detecting surface and sub-surface bodies in water by virtue of their surface and water column wakes. 2010 International Waterside Security Conference, WSS 2010. 10.1109/WSSC.2010.5730226..

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