



Smart laboratory software for pharmaceutical and biotech research reproducibility



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“As this reproducibility crisis is becoming more public, people are seeing the need and understand that this is a multibillion dollar problem that we cannot afford to ignore.” - Charles Fracchia

CEOCFO: Mr. Fracchia, would you tell us the vision for BioBright?

Mr. Fracchia: The vision for BioBright is to improve the reproducibility of biomedical research workflows by using software installed in pharmaceutical research environments.

CEOCFO: What does that mean day-to-day?

Mr. Fracchia: It means we provide software that we install in cutting-edge laboratories and pharmaceutical companies to help collect data that was not previously collected or was cumbersome to collect before. Day-to-day, our software engineers work to enhance the abilities of our software to continue to decrease reproducibility errors. Our business is customer centric and we work with scientists in these laboratories to collect the information needed in order to make significant improvements in their research.

CEOCFO: What types of data can you review that was not doable in the past?

Mr. Fracchia: One of the major challenges in biomedical research is that it is a heterogeneous environment when it comes to equipment or procedures that are being done. A biomedical research flow could entail fifteen different instruments over the course of multiple weeks to months. It may even include patients and their notes, the way they feel and the effects of their treatments. This heterogeneity of data is really the big challenge; software that allows us to collect the richness of data in a way that is a lot less cumbersome for both scientists and the person involved. If you think about the instruments people use today to do this, the lab and notebook really are the centerpiece. Paper notes are still used in most cases. Some people have used electronic versions but the problem is still the same in that when the scientists are recording data they are not doing the experiment or they are not interacting with the patient. Our software allows you to speak into a microphone and the data is analyzed and collected into a centralized record. This is one of the major components we look to further improve for our clients.

CEOCFO: How do you help researchers become comfortable with that approach?

Mr. Fracchia: The thing that makes us different and why our customers like us so much is my team and I come from some of the best laboratories in the world. We were those scientists taking notes and struggling with this type of workflow in the past. We built technology that takes into account all the little minutia that they do in the laboratory and automatically collects the associated data. The goal is to augment them. I try to stay away from the word automation because we do not actually automate the process but we enhance the scientists within their existing environments. That means the software can predict what you are likely doing and in most cases without pesky confirmation for every tiny minutia; we can guess a lot more than we could before.