



Case Study

Bio Bureau improves communication between labs with eLabJournal

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Bio Bureau

Bio Bureau is a biotechnology company focused on biodiversity identification as well as the development of genetically modified organisms which may be used for the control of invasive species, biomining, and for the production of compounds of significant commercial value. The company was created in 2009 by a university professor, and it cooperates with the Federal University of Rio de Janeiro and other startup companies. Since its founding, the company

has brought together scientists from different disciplines, including molecular biology, biotechnology engineering, bioinformatics, biology, and organic chemistry. The wide variety of backgrounds encourages the development of creative new approaches to basic science research and the application of the resulting solutions in industry. The Bio Bureau has worked on contracts in the energy, petroleum, and food industries.

Goal

To develop genetically modified organisms for the control of invasive species and turn its research into market products.

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Milica Markovic
Biotechnology Engineer

“However, the cherry on the top for our researchers is the Sample Documentation function section of eLabJournal which is extremely useful to us because we work in labs that are scattered across the city and have different working hours.

With the production of up to 100 samples of various kinds each week, the function helps us to keep track of the details of every sample and to easily find out which one was the parent.”

Challenge

To improve coordination and transparency between a growing team of researchers across multiple lab locations

The number of people involved in our research was growing and they were not all located in the same lab. We needed a solution that would help us to make the log of our data available to all members of the team. In doing so, we needed to design templates for our lab books based on the need of specific projects, while following a common framework across all our projects.

Solution

All project information in a single, common system with access from all labs, local and remote

The eLabJournal system provided:

- Faster, simpler entry of sample data
- Better organization of sample storage
- Definitive identification of the most important data, including recognition of the data we had failed to store in the past
- All data on all projects stored in a single, safe, secure repository
- Fast, easy checking of the data associated with any sample

- Clear definition of the data required for each experiment type, and incorporation of that data into the standard templates, thus providing guidance for new projects and new users
- The procedures for each experiment type help us to estimate and order the consumables required over the next several months

Result

Structured experiments, improved protocols, and better sample workflow

Thanks to eLabJournal, we managed, in just three months, to organize the entire documentation of our R&D for four different projects. Experiments are clearly separated, yet easy to cross-reference and faster to fill out, compared to our previous organization. The procedure section helped us to organize our protocols and to find weak spots in them, even for someone reading them for the first time. However, the cherry on the top for our researchers is the Sample Documentation function section of eLabJournal which is extremely useful to us because we work in labs that are scattered across the city and have different working hours. With the production of up to 100 samples of various kinds each week, the function helps us to keep track of the details of every sample and to easily find out which one was the parent.



About eLabJournal

eLabJournal offers an intuitive and flexible solution to manage information in your lab. The all-in-one Electronic Lab Notebook also includes modules for sample tracking and protocol management. eLabJournal improves efficiency when documenting, organizing, searching and archiving data, samples and protocols. The software is suitable for any lab ranging from small academic laboratories and start-up companies to large academic institutes and globally operating companies.



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