

Customer Success Snapshots



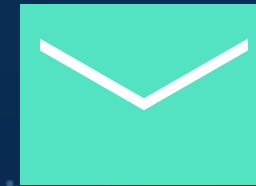
Benchling



Benchling is a modern informatics platform built for growing biologics R&D companies that...



Increases scientist productivity **2-4x**



Reduces emails to manage research collaboration by **66%**



Cuts IND filing time in **half**



Rolls out in as few as **6 weeks**

Empowering Flexible Informatics for Rapidly Evolving Workflows

Warp Drive Bio is exploiting the molecules and mechanisms of nature to create transformative medicines.



PRIOR CHALLENGES

- 1 /** Warp Drive's workflows are complex and evolving, but their legacy LIMS struggled to keep pace with their changing R&D needs.
- 2 /** Difficulty aligning workflows and LIMS configuration meant that a lot of data wasn't captured, or ended up in various spreadsheets.
- 3 /** Using spreadsheets and endless lookup fields to summarize assay results made reporting difficult and sometimes unreliable.

KEY BENEFITS

- 1 / Codeless Configuration**
With Benchling's point-and-click configuration, Warp Drive spins up their own workflows and schemas and alters them ad hoc.
- 2 / Eliminated Data Loss**
Because their informatics system always lines up with their R&D needs, Warp Drive has minimized data loss and repeated work.
- 3 / Reliable, Fast Reporting**
Benchling's summary tables collate data and results from across assays and experiments, vastly streamlining the reporting process.
- 4 / Streamlined Sequence Design**
Bulk molecular biology assembly tools have significantly reduced scientist busywork and improved data integrity.

Unlocking Pivotal R&D Answers While Ensuring Data Integrity

Obsidian Therapeutics is developing a suite of technologies that allow for control of protein activity within cells to power therapeutics.



PRIOR CHALLENGES

- 1 /** Previous ELN was clunky and didn't allow for linkages to registered samples, hindering adoption and experimental detail.
- 2 /** Without a formal registration system, Obsidian scientists couldn't draw connections between results data and upstream entities.
- 3 /** Legacy sample tracking system was unintuitive and saw low scientist usage, leading to data loss and compliance concerns.

KEY BENEFITS

- 1 / Unified Informatics**
Integrated sample tracking and notetaking generated strong user adoption and improved the quality and reliability of experimental records.
- 2 / Centralized Registration**
Obsidian can trace from downstream results to identify effective upstream entities. "Why does this lentivirus work well? Is it related to a specific batch of constructs?"
- 3 / Secure Data**
With Benchling's robust Bioregistry that rewards scientist usage, Obsidian can be confident that the constructs, parts, and other entities they're tracking will hold up in a court of law.



Empowering Internal Informatics Innovation

Editas Medicine develops therapeutics based on CRISPR–Cas9 gene editing technology.



PRIOR CHALLENGES

- 1 /** Low scientist usage of previous ELN resulted in poor retention of institutional knowledge.
- 2 /** Delayed LIMS rollout drained IT teams resources and stalled data capture.
- 3 /** Previous LIMS's APIs were challenging to use and didn't function at the necessary scale.

KEY BENEFITS

- 1 / Unprecedented Software Adoption**
With over 90% user compliance, Editas has seen dramatic improvements in throughput, knowledge capture, and data retention.
- 2 / Tracking Experimental Progress**
Editas leverages Benchling's APIs and data warehouse to create live reporting dashboards to track progress across various initiatives.
- 3 / Informatics Innovation**
Since Editas's molecular biology tools, lab notebook, and LIMS functions are all handled in the same place, informatics teams can focus on innovative development projects.

Streamlining Registration and Requests for Gene Editing

Intellia is developing CRISPR/Cas9-based gene editing therapeutics with *in vivo* and *ex vivo* delivery models.



PRIOR CHALLENGES

- 1 /** Previous registration took place across SharePoint spreadsheets, emails, and paper, leading to unreliable data and outside time spent piecing together lineages.
- 2 /** Plasmid repositories couldn't be tracked and kept up to date.
- 3 /** Lack of a formal request system led to lost requests and insufficient detail in requests. Without a reliable plasmid inventory, certain requests were difficult to complete.

KEY BENEFITS

- 1 / Centralized Registration**
Standardized lists of plasmids and other entities make data reliable and easily shared.
- 2 / Streamlined Request Triaging**
With Request Management, teams generate greater throughput and higher quality products because they can easily access the information they need.
- 3 / Generating R&D Insights**
Workflow Management empowers Intellia to identify the upstream entities that lead to successful batches. For example, Intellia can answer, "Which bio-vector led to this particularly effective protein batch?"

Building a Global Informatics Infrastructure

Agenus is a global biopharmaceutical company with multiple immunotherapy and vaccine pipeline programs.



PRIOR CHALLENGES

- 1 /** Without unified systems, it was difficult for Agenus to get a comprehensive view of research.
- 2 /** Growing R&D team spread across multiple sites in the US and Europe impeded team collaboration.
- 3 /** Complexity of R&D workflows, time-zones, and ongoing M&A integration exacerbated difficulties tracing sample lineages and tracking experiments.

KEY BENEFITS

- 1 / Unified Informatics**
Replaced Agenus's multiple informatics systems with a single, end-to-end platform where they track all of their data, plasmids, and samples.
- 2 / Collaboration Across International Sites**
Made all institutional knowledge accessible to scientists across the globe, dramatically streamlining collaboration.
- 3 / Tracking Productivity**
Agenus can now track productivity by reporting on, for example, the number of biologics created each week.
- 4 / Agenus Knowledge Project**
Enabled Agenus to build a search engine on top of the Benchling platform and their other software systems.

Centralizing Biologics Data for a Growing Company

Inhibrx develops multivalent costimulatory agonists, checkpoint inhibitors, and therapeutics to invert the tumor microenvironment toward local immune activation.



PRIOR CHALLENGES

- 1 /** Without a formal tracking system, plasmid maps were distributed across multiple scientists' computers. Finding the right plasmid map would involve walking through the lab to find the right scientist.
- 2 /** Spreadsheets were used to track requests and information about plasmids, requiring extensive manual search and limiting user compliance.
- 3 /** Experimental notes were taken using a shared paper lab notebook, making it difficult to find experimental details and extract insights.

KEY BENEFITS

- 1 / Reliable Registration**
The Benchling Bioregistry is a central source of truth for plasmids and enforces uniqueness constraints to ensure data integrity.
- 2 / Interlinked Experimental Details**
Scientists can link batches to relevant experiments, so their notes directly reflect all of the products and data they've generated.
- 3 / Setting up New Teams for Success**
Inhibrx built out a new process development team and onboarded them onto Benchling, where they can access the data of upstream teams.
- 4 / Streamlined IND Filing**
Inhibrx uses Benchling Lab Notebook entries and unique Lab Notebook IDs to file for IND, saving months of time and effort.



Structuring World-Class Informatics for a New Team

Incyte develops a wide range of therapeutics, primarily for oncology. Benchling supports their antibody discovery group.



PRIOR CHALLENGES

- 1 /** Incyte's antibody discovery group was starting from the ground-up and knew it would be pivotal to deploy a world-class informatics system as soon as possible.
- 2 /** With a growing team and fluid processes, the antibody discovery group needed a flexible system, or else their data would be unreliable and difficult to track.
- 3 /** Being able to work with external collaborators (including international collaborators) was a must.

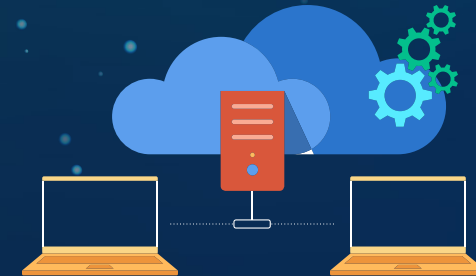
KEY BENEFITS

- 1 / Data Clarity from the Start**
Since the start of their operations, the antibody discovery group has gotten visibility into their key processes.
- 2 / Tracking Constructs and Components**
Benchling's ability to automatically identify and register scFvs' components makes it easy to track constructs.
- 3 / Secure Data for Collaborations**
With Benchling's rich data permissions, Incyte can extend the system to its external collaborators, streamlining secure data transfer.
- 4 / Long-Term Success**
By gathering the right data in the right way from the start, the antibody discovery group is set up for long-term informatics success.



Integrating the Custom Solutions of a Technology Powerhouse

Zymergen is an industrial biotechnology company that engineers microbes to produce high-value commercial molecules.



PRIOR CHALLENGES

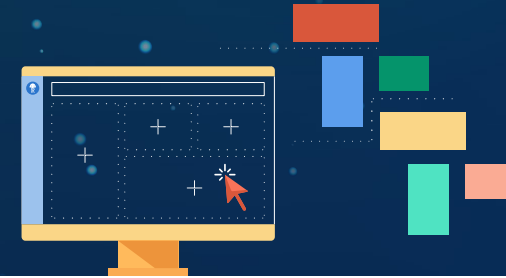
- 1 /** As the company scaled rapidly, scientists faced difficulty collaborating and sharing information.
- 2 /** Growing R&D teams needed an informatics solution that could quickly adapt to organizational changes.
- 3 /** Zymergen has extensive custom software and instrumentation, so they needed a platform that could integrate easily with their internal tools.

KEY BENEFITS

- 1 / Continuous Software Adoption**
Since starting with 10 Benchling users, Zymergen's deployment has grown to over 140 Benchling users, with continuous onboarding.
- 2 / Scalable Informatics**
Flexible team structures, entry templates, and shared sequence inventories ensure that Benchling continues to empower Zymergen's expansion.
- 3 / Integrating with Custom Technology**
Benchling worked with Zymergen to integrate the Benchling platform with Zymergen's proprietary high-throughput microbial engineering system.

Accelerating Synthetic Biology with Fully Unified Informatics

Synlogic is developing microbe-based therapeutics to treat an array of diseases ranging from cancer to genetic inborn errors of metabolism.



PRIOR CHALLENGES

- 1 /** Complex workflows were being sketched out step-by-step on paper, hindering collaboration and reproducibility.
- 2 /** Without a workflow system linked to a registration system, it was difficult for Synlogic to trace the lineages of their candidates.
- 3 /** Placing requests, uploading results from instruments, and collating data across experiments were cumbersome and unreliable without unified, intelligent systems.

KEY BENEFITS

- 1 / Innovative Data Model**
Developed a custom data model that maps to Synlogic's unique workflows, powering real-time experiment tracking and automating lineage tracking.
- 2 / Integrated Instruments with Informatics**
Requests system and integrated bioreactors streamline fulfillment and automatically associate results data with samples.
- 3 / Streamlined IND Filing**
Synlogic uses Benchling links in IND filings to provide full experimental history.



Benchling

Modern Informatics to Power Biologics R&D

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