

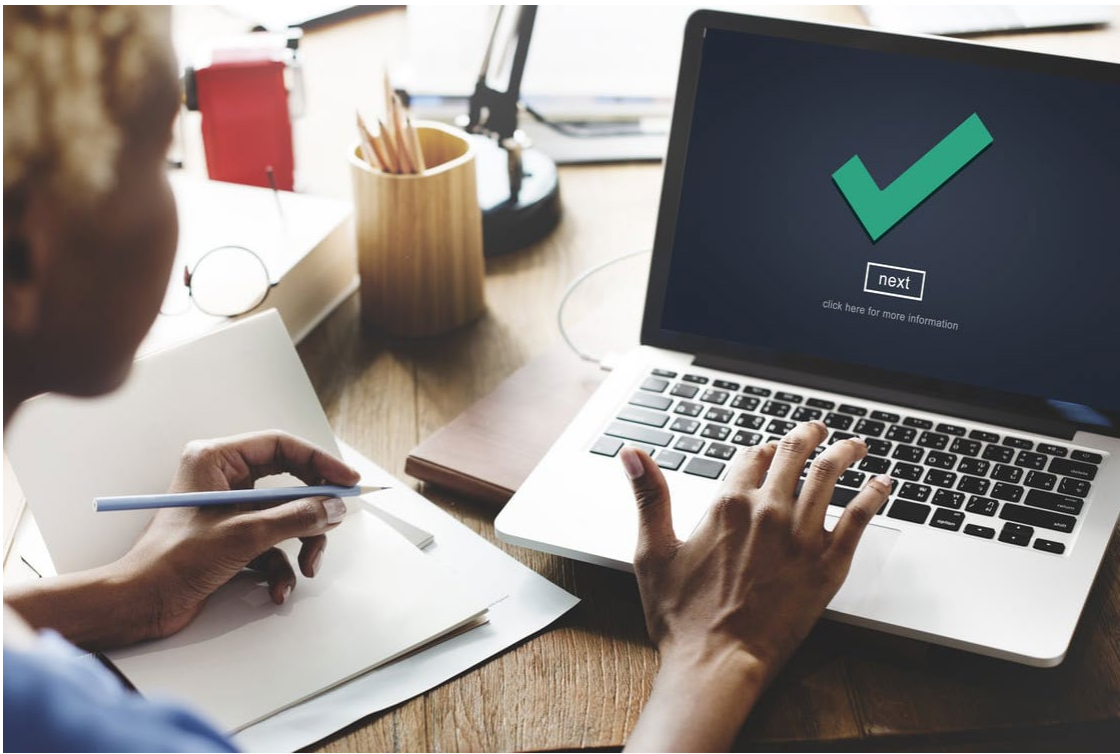


## **Kalleid Newsletter - December 2021**

Welcome to Kalleid's newsletter for the month of December, where you'll find some of our most recent content and information about our upcoming events.

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## **Featured Blog Posts**



## How to Conduct Effective User Acceptance Testing

User acceptance testing (UAT) helps to ensure user adoption and the overall success of IT projects, yet some organizations make the mistake of not doing it at all, or simply having users repeat the functional testing that was done by the development team. UAT is performed at a critical juncture in the project delivery cycle, and it is therefore essential to plan and execute it successfully.

[Read more](#)



## Implementing Agile Methodology in Regulated Environments

Heavily regulated industries such as healthcare and pharma have been slow to adopt Agile methodologies due to the perception that Agile methods and regulated environments are fundamentally incompatible. In this blog, we discuss how Agile methodologies can be best adapted to meet the requirements of regulated environments.

[Read more](#)

## How Artificial Intelligence is Transforming Corporate Learning

Many organizations are transitioning from legacy LMSs to more flexible and AI-enabled systems to improve training outcomes and accommodate today's digital, remote and evolving workforce. In this blog, we will discuss some of the ways in which a quality AI-enabled LMS can improve corporate training and ultimately bolster talent retention.

[Read more](#)

[Sign up for our blog](#)

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## Upcoming Events

*Kalleid to Exhibit at the SLAS2022 International Conference and Exhibition*

Kalleid is excited to be exhibiting at the SLAS2022 International

Conference & Exhibition from February 5-9, 2022 in Boston, MA.  
SLAS is an international professional society of academic, industry and government researchers, as well as developers and providers of laboratory automation tools, that works to transform research by empowering the life sciences community.

Learn more



## Featured White Paper

**WHITE PAPER**

### Chemistry Data Migration Challenges and Best Practices

A cross-functional team of experts as a key element for preserving chemical assets of life science and chemistry R&D

BY THOMAS DOERNER, GERD BLANKE AND MARY BETH WALSH

Chemistry plays an important role in our lives and touches almost every aspect of our existence in one way or another. To enrich our quality of life, research scientists in the chemical and life science industries create, analyze and optimize vast numbers of new chemical compounds in order to create novel solutions to problems in health and materials.

The primary focus of research in the biotech and pharmaceutical industries, for example, is to identify safe chemical compounds that have efficacy against a disease and can thus form the basis of a pharmaceutical drug. The chemical structure of a compound is responsible for virtually all the factors that will determine the feasibility of it becoming part of an FDA approved drug – absorption, potency, metabolism, selectivity, distribution, excretion, toxicity, patentability, and viability of synthesis. Chemical structure and reaction data (including data for entities such as peptides and antibody-drug conjugates) form the basis for valuable intellectual property at biotech and pharmaceutical organizations.

Biopharmaceutical companies model, screen, synthesize, test, and analyze thousands of compounds every year seeking those with therapeutic value. Analysts work to identify likely drug candidates using criteria based on chemical structure, diseases/targets, and other characteristics (e.g., structure–activity–relationship (SAR) analyses). This process generates large amounts of chemistry structure and reaction data stored in data repositories. Pharmaceutical companies often add to their repositories by collaborating with external partners. Within this ever-growing body of chemistry data resides considerable predictive potential that can be used to aid identification, optimization and/or synthesis of compounds with efficacious properties.

Given today's highly competitive business environment, biopharmaceutical and chemical organizations are continuously modernizing their IT landscape, streamlining operations and digitizing processes to improve their discovery workflows, reduce costs, and to keep their competitive edge. As a result, IT projects that require migration (or merging) of this important chemistry data are growing more commonplace. Some examples of projects which could trigger the need to migrate chemistry data include:

- **Global harmonization initiatives** (e.g., across sites, after merger and acquisition)
- **FAIR data initiatives** - Findability, Accessibility, Interoperability, Reusability
- Building or populating **centralized data depositories** (e.g., data lakes, data warehouses)
- **SaaS / Move to cloud** - Implementation of a cloud and SaaS based IT infrastructure
- **System upgrades**
- **Application portfolio rationalization** initiatives

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## Chemistry Data Migration Challenges

# and Best Practices

Most organizations are unprepared for the complexities involved in legacy data migration, but chemistry data migration is in a class all by itself. Successful migration of chemistry structure and reaction data requires a highly specialized and experienced team to ensure your valuable R&D assets and IP are protected and preserved. In this white paper, we will discuss some of the unique challenges that are involved in chemistry data migration and present an effective methodology that will help set your business up for success.

[Read more](#)

## Featured Case Study

**CASE STUDY:**



**Documentation for a New Cell Therapies Manufacturing Facility**



**PROJECT OVERVIEW**

A global biopharmaceutical company with a wide-ranging portfolio was building a new cell therapies manufacturing facility (CTMF) for cancer treatments. The information technology (IT) infrastructure was an essential component of this facility and needed to be compliant with 21 CFR 11 US FDA regulations. While the company's IT department was tasked with creating the digital infrastructure to support the CTMF, they did not have the in-house expertise required to write the necessary regulatory documentation to support full compliance with regulations. Due to our team's extensive experience with producing technical documentation for pharmaceutical companies, the customer contracted with Kalleid to create a process for writing and reviewing the technical documentation for the facility so that it could meet its aggressive timeline for opening.

**BUSINESS CASE**

The customer had several different IT systems that required documentation, including networking, security, and computer storage, and there were multiple teams working on the IT infrastructure in the US and India. A coordinated process of collaborative editing and review sessions was critical to develop the technical content, but the IT team did not have a staff technical writer assigned to this project, and the project manager who was charged with overseeing the entire project could not closely supervise content development. Unless an effective process for producing the required documentation was implemented quickly, this bottleneck issue would likely delay the opening of the facility.

The customer contracted with Kalleid to meet the following business needs:

- Implement a framework for writing and reviewing documents for the systems required for building the facility.
- Coordinate the demands of each department while ensuring content is complete and meets regulatory requirements.
- Ensure consistency and accuracy among different sets of documentation.

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[Read more](#)

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## Who We Are

Kalleid, Inc. is a boutique laboratory IT consulting firm that has served the scientific community since 2014. We work across the value chain in R&D, clinical and quality areas to deliver support services for software implementations in highly complex, multi-site organizations. If you would like to learn more about Kalleid and the services we offer, please visit [Kalleid.com](http://Kalleid.com) or [contact us](#) today.



Find out more about our professional services and how our integrated approach to business transformation can maximize your company's success.



[Learn more](#)