



# SapioCon 2024

## Event Guide

Thank you for joining us for this year's SapioCon! We hope you walk away with robust knowledge, more connections, and an expanded perspective. This guide will provide a preview of our insightful, three-day agenda and provide more information about our compelling roster of speakers.

[Register for SapioCon 2024](#)

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# Day 1 Monday, February 12

**11:30am – 1:30pm**

Reception Area

## Registration

**1:30pm – 2:15pm**

Everglades

## Welcome & Sapio Keynote

Presented by: Rob Brown



**2:15pm – 3:00pm**

Everglades

## Operationalizing High-Throughput Sequencing: A Real-World Perspective

Take a dive into real-world applications of the Sapio platform.

Presented by: Angela Kenyon, Labcorp



**3:00pm – 3:30pm**

## Coffee Break

**3:30pm – 4:00pm**

Everglades

## Unbundling The Lab Platform

Our experience taking advantage of the Sapio lab platform.

Presented by: Frank Callari and Roi Bagsic, Ellison Institute of Technology



**4:00pm – 4:45pm**

Everglades

## Precision Public Health

Learn about the confluence of public health and precision medicine.

Presented by: Joanne M. Hackett, IQVIA



**4:45pm – 5:15pm**

Everglades

## What Comes After Terabytes: Using Sapio LIMS to Tame Big Data

Uncover how and why Aspen chose to implement Sapio's capabilities.

Presented by: Louisa Zebrowski, Aspen Neuroscience



**6:30pm – 8:30pm**

Tropicale

## Welcome Reception



# Day 2 Tuesday, February 13

7:30am – 8:30am

Matador

## Breakfast

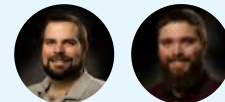
### Track 1 - End-to-End Drug Discovery

8:30am – 9:15am

The Keys

#### In Vivo Study Design and Tracking LIMS & ELN Optimized Animal Studies and Data Management

Presented by: Jimmy Gladfelter & Jason Jones



9:20am – 10:00am

The Keys

#### Antibody Screening and Next-Generation Sequencing

Presented by: Mike Tolino



10:00am – 10:15am

#### Coffee Break & Demo Showcases

10:20am – 11:00am

The Keys

#### Registration of Entities & Bioprocessing

Presented by: Aaron Schooler & Yechen Qiao



### Track 2 - LIMS/ELN Platform Competency

8:30am – 10:00am

Biscayne

#### Sapio ELN Fundamentals

Creating experiments, templates, and reusable protocols from simple to complex.

Presented by: Aaron Schooler



10:00am – 10:15am

#### Coffee Break & Demo Showcases

10:20am – 11:00am

Biscayne

#### Sapio LIMS Fundamentals

Building processes from templates, the process queue dashboard, and KPI tracking.

Presented by: Rob Doster



11:00am – 11:45am

Everglades

#### Implementing Complex Workflows for Next-Generation Biodiversity Monitoring

Discover how NatureMetrics is using Sapio LIMS to manage their robust data sets.

Presented by: Valerie Vancollie & Elliott Nixon, NatureMetrics



## Day 2 Tuesday, February 13 (continued)

11:45am – 12:30pm  
Everglades

### Challenges of Digital Transformation in a Regulated Environment

Learn how Charles River is overcoming challenges with Sapio.

Presented by: Carrie Hendricks & Melissa Snyder, Charles River Laboratories



12:30pm – 1:45pm  
Reception Area

### Lunch, Birds of a Feather Networking Tables & Demo Showcases

## Track 3 - Accelerate Science

1:45pm – 2:30pm  
The Keys

### Small Molecule: ChemELN Uncovered

Simplifying chemistry with a unified solution and platform: from registration to synthesis and search.

Presented by: Gabriele Magaro



2:35pm – 3:00pm  
The Keys

### ELaiN Unveiled

Using AI to make finding, analyzing, and visualizing data faster and easier.

Presented by: Kevin Cramer & Dereck Welch



3:00pm – 3:15pm

### Coffee Break & Demo Showcases

3:20pm – 4:30pm  
The Keys

### Large Molecule: The Molecular Biology Toolbox

Unleashing the power of CRISPR and DNA/RNA registration, editing, and beyond.

Presented by: Mike Tolino



## Track 4 - Configuration & Management

1:45pm – 3:00pm  
Biscayne

### Rule Your World: Making the Most of No-Code English Language Rules

New rule actions walkthrough.

Presented by: Mike Trupia



3:00pm – 3:15pm

### Coffee Break & Demo Showcases

3:20pm – 3:45pm  
Biscayne

### Fundamentals of Materials Registration

Presented by: Stuart Perry



3:50pm – 4:30pm  
Biscayne

### Sample Management End to End

Navigating the sample lifecycle from defining sample subtypes, registering them, and managing storage, usage, and lineage.

Presented by: Brandon Shaffer



## Day 2 Tuesday, February 13 (continued)

**4:35pm – 5:00pm**

Everglades

### **Implementing Sapio LIMS in a Clinical NGS Lab: Lessons Learned**

Hear Exai Bio's journey implementing Sapio's clinical solution.

**Presented by: Helen Li & Jeff Wang, Exai Bio**



**7:00pm – 10:00pm**

La Vista Terrace

### **Reception - "A Taste of Miami"**

Enjoy the vibe and entertainment of Miami. Experience the best of science and sun!



# Day 3 Wednesday, February 14

7:30am – 8:30am

Matador

## Breakfast

8:30am – 9:00am

Everglades

## Sapio Roadmap Update

Presented by: Kevin Cramer



## Track 5 - Data Track

9:00am – 9:30am

The Keys

## Search, Visualize, and Analyze

Extensive overview of Sapio searching, charting, and analytics.

Presented by: Kevin Cramer & Jimmy Gladfelter



9:35am – 10:00am

The Keys

## Solving the Data Problem

Overview on the only science-aware™ system that connects instruments to applications while providing integrated search, data visualization, and analytics.

Presented by: Rob Brown



## Track 6 - Technical Admin

9:00am – 9:30am

Biscayne

## Sapio Home Page Configurations

Presented by: Isabella Gilbert



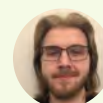
9:35am – 11:00am

Biscayne

## Become a Low-Code Guru

Advanced API and Python webhook code overview.

Presented by: Jonathan Steck & Brodi Mayer



10:15am – 11:00am

Everglades

## Customer Success: Sapio Implementation Best Practices

Successfully designing, implementing, testing, and managing Sapio. Including an overview of Sapio's new GxP compliance validation.

Presented by: Ania Plona, Ricky Patel, Sean Blake



11:00am – 11:30am

Everglades

## Facilitated Panel Discussion

11:30am – 12:00pm

Everglades

## Closing Remarks

12:00pm – 1:00pm

## Grab & Go Lunch & Demo Showcases





## **Operationalizing High-Throughput Sequencing: A Real-World Perspective**

[Angela Kenyon, Labcorp](#)

Join us for a deep dive into the operational heartbeat of cutting-edge genomics. In the rapidly evolving genomics landscape, managing high throughput sequencing workflows is both challenging and an art. This presentation delves into firsthand experiences creating and operating a high-velocity sequencing environment. Attendees will gain insights into best practices, common pitfalls, and how Labcorp has deployed and configured the Sapio Sciences' platform to ensure efficiency, robustness, and scalability. Drawing from real-world scenarios, we will explore the intricacies of workflow optimization and version control, quality control, data management, and collaboration among interdisciplinary teams and locations.

## **Precision Public Health**

[Joanne M. Hackett, IQVIA](#)

We can't have precision medicine without understanding public health. While many public health initiatives focus on communicable diseases, the diagnosis and treatment of noncommunicable and rare diseases can also benefit from a precision public health approach. In this presentation, you'll learn about the confluence of public health and precision medicine and how the linking of previously isolated data sources is necessary to advancing work in this space.

## **"What Comes After Terabytes?" Using Sapio LIMS to Tame Big Data**

[Louisa Zebrowski, Aspen Neuroscience](#)

Aspen Neuroscience stands at the forefront of biotechnology, specializing in personalized cell therapies. Utilizing a patient's own cells for the development of cell replacement therapies to address unmet medical need, Aspen Neuroscience faces the monumental task of capturing and managing vast amounts of data. They have strategically selected the Sapio platform to help R&D scientists, bioinformaticians, and translational scientists automate workflows and extract sequencing data from servers for in-depth analysis. Learn why Aspen selected Sapio, the capabilities they are leveraging, and the three phases they plan for implementation, and gain insights into the collaborative efforts between Aspen and Sapio to configure the platform for the niche requirements of a cutting-edge cellular therapy company.

## **Implementing Complex Workflows for Next-Generation Biodiversity Monitoring**

[Valerie Vancollie & Elliott Nixon, NatureMetrics](#)

To deliver the world's most robust end-to-end solution for monitoring and measuring environmental DNA, NatureMetrics must wrangle increasingly complex data. In particular, the company requires a labyrinth of quality control steps to accurately manage highly sensitive and easily contaminated data sets. Learn how NatureMetrics is implementing Sapio LIMS, including deep dives into workflows for complex plating, multilevel pooling, and automated sample routing.

## **Challenges of Digital Transformation in a Regulated Environment**

[Carrie Hendricks & Melissa Snyder, Charles River](#)

Implementing and managing digital systems in a regulated setting requires particular attention to quality control and validation. This presentation will share insights from leaders of broader digital efforts within Charles River Laboratory about the considerations associated with running laboratory software in a regulated environment. It will also highlight Charles River's plans to implement and validate Sapio LIMS to address these challenges.

# Customer Session Descriptions (continued)

## Implementing Sapio LIMS in a Clinical NGS Lab: Lessons Learned

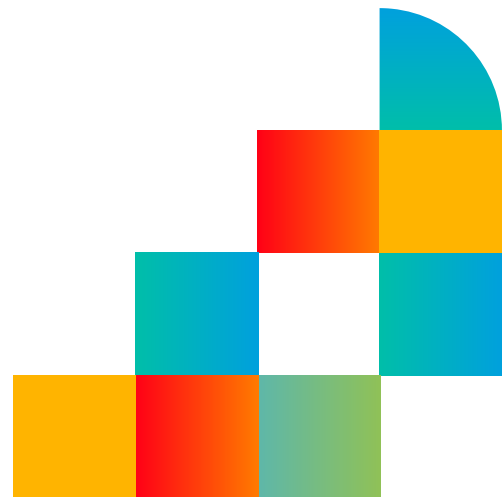
Helen Li & Jeff Wang, Exai Bio

As a next-generation liquid biopsy company with a mission to enable the earlier detection of cancer from a routine blood draw, we require a modern LIMS platform that can power our scientific approach and automate manual processes. This presentation will share Exai Bio's journey implementing Sapio LIMS into a clinical lab setting. Learn about the team's requirements, how they've used Python and Sapio's Rules Engine to configure the system, and their goals for automating and streamlining mission-critical next-generation sequencing workflows.

## Unbundling The Lab Platform: Our Experience Taking Advantage of the Sapio Lab Platform

Frank Callari & Roi Bagsic, Ellison Institute of Technology

The Ellison Institute of Technology shares its journey harnessing the Sapio lab platform. The institute discusses why they chose the Sapio platform over conventional point products. Frank Callari and Roi Bagsic highlight how the platform's customization capabilities and template creation tools were crucial. They detail their process, from blood drawing to DNA sequencing, library preparation, and more. A significant focus included enhancing the user experience by minimizing unnecessary interactions and leveraging the Sapio Rules Engine to create a more user-friendly lab.





# Customer Presenters



**Angela Kenyon, Director of Bioinformatics, Labcorp**

Angela Kenyon is the director of Bioinformatics at Labcorp. As an IT lead at the company, she's responsible for crunching large volumes of diverse data to aid in developing new genetic tests and also works on the LIMS systems to support that data generation. Angela holds a B.S. in Biotechnology & Applied Math and a M.S in Mathematics from Worcester Polytechnic Institute.



**Joanne M. Hackett, Head of Genomic and Precision Medicine, IQVIA**

Joanne M. Hackett is vice president of genomic and precision medicine at IQVIA. A clinical academic, investor, and strategic, creative visionair, Joanne has extensive global experience translating academic research into medical and commercial returns at successful start-ups and Fortune 500 companies. Prior to IQVIA, Joanne was chief commercial officer for Genomics England, and she serves on several Boards for organizations seeking to build novel, cost effective, and simple healthcare solutions.



**Louisa Zebrowski, Senior Research Associate, Aspen Neuroscience**

Louisa Zebrowski is an emerging professional in the field of cell and gene therapy, with a focus on neurodegenerative diseases. She has played an integral role at Aspen Neuroscience in R&D discovery, advancing automation systems, and streamlining sequencing data organization and analysis. Louisa has a BA from Mount Holyoke College in neuroscience and statistics.



**Helen Li, Senior Director of Software & Data Engineering, Exai Bio**

Helen is a senior director of engineering at Exai, a next-generation liquid biopsy company. She works with a talented team on projects ranging from cloud infrastructure and bioinformatics to machine learning. She oversees the development of LIMS and the adjacent software infrastructure. She is passionate about applying software engineering to accelerate life sciences R&D. Prior to Exai, Helen was at Google Health, where she worked on machine learning research in genomics. Helen earned her BS in computer science from the Massachusetts Institute of Technology.



**Jeff Wang, Senior Software Engineer, Exai Bio**

Jeff is a Senior Software Engineer at Exai. His work focuses on the company's data systems, and he leads the data strategy which includes data architecture, warehousing and ETL. At Exai, Jeff applies his experience working in R&D ELN solutions to a new project leveraging Sapio LIMS for production use cases. He brings extensive experience in data management from the FinTech industry. Jeff earned a BS in Finance and Economics from NYU Stern, and a Masters in Economics from Columbia University.



**Valerie Vancollie, Head of Lab Product Delivery, NatureMetrics**

Valerie Vancollie is the Head of Lab Product Delivery at NatureMetrics, overseeing the UK lab which deals with client samples from all over the world. As a busy lab analysing environmental DNA from a range of samples, it has recently started installing Sapio LIMS to help streamline its workflow.

## Customer Presenters (continued)



**Elliott Nixon, LIMS Developer, NatureMetrics**

Elliott is a dynamic IT professional with a background in analytical chemistry. He's currently a LIMS Developer at NatureMetrics. His experience spans project management, business analysis, and software development in laboratory information management systems. Elliott is skilled in Java, JavaScript, NodeJs, SQL, React, React Native, and Redux. Before his IT career, he worked as an analytical chemist. He has a Postgraduate Certificate in IT and a Postgraduate Diploma in Forensic Science from the University of Auckland. His career includes significant roles in New Zealand and a recent relocation to London after a travel break in Europe.



**Roi Bagsic, Quality Control Analyst, Lab Operations, Ellison Institute of Technology**

Roi oversees quality control and works to develop the LIMS system. He graduated with a B.S. in Biochemistry from University of California, Los Angeles in 2021, and has work experience as a laboratory technician for various undergraduate courses such as Cell Biology, Microbiology, and Human Physiology. He is interested in pursuing a higher degree involved in pharmaceutical development to conduct biomedical research; and in his free time, he enjoys portrait drawing and discovering new artists.



**Frank Callari, Director of Information Technology, Ellison Institute of Technology**

Frank has over twenty years of hands-on IT leadership experience. As an independent contract technologist and entrepreneur, he has advised C-suite leadership across top players in the entertainment, gaming, e-commerce and medical industries on the requirements gathering, selection, implementation and successful deployment of mission critical enterprise systems. Prior to his consultative work, Frank was the SVP of IT reporting to the CFO at a leading global athlete management company. He excels at bringing business and technology experts together to deploy effective, cutting-edge business technology and has a knack for communicating complex technical concepts in layman's terms. Outside of work, Frank is still a technology and gadget geek but also an avid jet skier, snow skier and auto/motorcycle enthusiast.



**Carrie Hendricks, Global head of Laboratory Sciences, Charles River Laboratories**

Carrie is Global Head of Laboratory Services for Charles River Laboratories, a non-clinical contract research organization, which provides drug discovery, non-clinical development, and safety testing services in the United States, Europe, Canada, the Asia Pacific, and internationally.

**Melissa Snyder, Research Scientist, Charles River Laboratories**

Melissa Snyder is a dedicated Research Scientist at Charles River Laboratories, a position she has held since October 2018. Her career at Charles River spans over 19 years, including roles as an Associate Research Scientist and Analytical Research Assistant. Prior to this, Melissa was a Staff Scientist at Merck Research Laboratories for nine years. She holds an M.S. in Molecular Biology from Lehigh University and a B.S. in Genetic Engineering from Cedar Crest College. Her extensive experience in the field underscores her commitment to scientific research and development.

# Sapio Presenters & Hosts



**Kevin Cramer**  
Founder & Chief Executive Officer



**Gordon McCall**  
Chief Financial Officer



**Mike McCartney**  
Chief Commercial Officer



**Andrew Wyatt**  
Chief Growth Officer & General  
Manager, EMEA



**Rob Brown**  
Senior Director of Product  
Marketing



**Dereck Welch**  
Solutions Team Lead



**Jimmy Gladfelter**  
Core Platform Developer



**Mike Trupia**  
Application Engineer



**Brodi Mayer**  
Core Platform Developer



**Yechen Qiao**  
Core Platform Developer



**Brandon Shaffer**  
Solutions Team Lead



**Gabriele Magaro**  
Sales Solution Engineer



**Stuart Perry**  
Solutions Architect



**Rob Doster**  
Solutions Architect



**Aaron Schooler**  
Senior Manager, Pre-Sales



**Mike Tolino**  
Sales Solutions Engineer



**Jonathan Steck**  
Application Engineer



**Isabella Gilbert**  
Application Engineer



**Jason Jones**  
Core Platform Developer



**Sean Blake**  
Chief Information Officer



**Ricky Patel**  
Vice President Customer  
Success, EMEA



**Ania Plona**  
Vice President Customer  
Success, NAM

