



LABORATORY TRANSFORMATION
Seasonal School 2024

————— SEPTEMBER 03 – 04, 2024 —————

Unlock The Power:
**Utilizing New Technologies
To Streamline Workflows
And Improve Performance**

2-DAY LIVE VIRTUAL EVENT OUTLINE

LabVine[™]

Welcome to LTSS 2024

Welcome to the Laboratory Transformation Seasonal School, a dynamic two-day event scheduled for September 03-04, 2024. We are excited to host this occasion with the theme, "Unlock THE Power: Utilizing New Technologies to Streamline Workflows and Improve Performance."

In an ever-evolving landscape of scientific discovery and technological innovation, laboratories are pivotal in advancing research, diagnostics, and innovations. The Laboratory Transformation Seasonal School is a unique opportunity for scientists, researchers, and lab professionals to come together, explore cutting-edge developments, and gain valuable insights to enhance laboratory performance.

The 2024 event is centered around the idea of harnessing the transformative power of new technologies to revolutionize laboratory practices. Our theme, "Unlock THE Power," encapsulates the concept of leveraging Technology, Integrations, and Efficiency to drive improvements in laboratory workflows and overall performance.

In an era where laboratories face ever-increasing demands for productivity, precision, and compliance, the need to adapt and innovate is paramount. The Laboratory Transformation Seasonal School aims to address these challenges by providing a platform for exchanging ideas, experiences, and best practices.



Daily sessions start at **13:00 UTC** and end at **16:00 UTC**.



Daily sessions will consist of **two 50 minute speaker slots**, each covering a different topic based on the day's theme.



A **keynote speaker** will address each day, leading with a 30 minute slot, kicking off the day's proceedings.



Knowledge sharing and transfer will happen through **interactive, facilitated sessions** delivered **virtually**.



This is an **international sponsored event** and is **free of charge**.

We have included an overview of the course content and provisional program. Delegates can look forward to the below educational benefits and outcomes:

- ✓ 6 Contact Hours - American Society for Clinical Laboratory Science (PACE)
- ✓ 6 CEUs - Society of Medical Laboratory Technology of South Africa (SMLTSA)
- ✓ Free LabVine Membership
- ✓ Valuable Insights
- ✓ Accredited Certificate of Attendance

Good luck and enjoy the program.

Wilhelm Boshoff
 Founder & Managing Director
 at LabVine Learning



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Event Speakers' Topics and Abstracts

DAY 1:

Laboratory Networks and New Technologies

KEYNOTE ADDRESS



Setting the Stage: A Guide to the Digital Pathology Market

By Katie Maloney

DeciBio

As the inaugural speaker, Katie's presentation will provide an overview of the digital pathology (DP) market, setting the context for subsequent discussions on clinical adoption and operational implementation.

We will explore the vendor and market landscape, segmented by key categories such as instrumentation, image management systems, AI, and multi-segment companies. Significant partnerships across interoperability, research, and tool adoption, will be highlighted, emphasizing their role in driving integration and advancing DP capabilities. Finally, we will discuss key industry trends including the emergence of new AI tools and regulatory and reimbursement challenges across geographies.

SPEAKER 01



Lab Networks for Agnostic Connectivity

By Steve Box

X-Lab Ltd (AKA Labgnostic Inc)

At LTSS 2023, we introduced the concept of laboratory networks. The purpose of this presentation is to disseminate learnings from the networks Labgnostic has delivered in multiple international markets and provide an update on progress over the last 12 months. Specifically, we will discuss market factors in the United States, Europe, and Australia, the network effect, and the gap between core infrastructure investment and vision.

Attending the presentation will teach attendees about the importance of networks, the similarities and differences between global markets, and the commonalities shared by laboratories worldwide. Additionally, the presentation will address infrastructure and workforce challenges in Laboratory Medicine and explain how an established network can enable scale and efficiency improvements across the field.



Event Speakers' Topics and Abstracts

DAY 1:

Laboratory Networks and New Technologies

SPEAKER 02



Histology Tracking for the Modern Lab: How to Reimagine and Embrace the Value of Sample Barcoding

By Jacob Gofman

Fortelinea Software Systems Inc.

Over the last three decades, the adoption of software has transformed Pathology labs. Laboratory information systems were widely implemented as labs embraced the digitization of information once documented by hand. Image management and AI-powered software is on a similar trajectory as whole slide imaging revolutionizes how slides are read and stored. Meanwhile, histology tracking software, which has been a fixture in the industry in one form or another for two decades, has seen a slow rate of adoption and been widely ignored and, at times, outright avoided. Labs remain skeptical about the value of tracking software and fearful of its implementation costs despite the many benefits it can provide.

This presentation explores the current sample tracking environment and advocates for the adoption of histology barcoding software, highlighting its potential to fill crucial gaps in modern labs. We introduce Prima for Pathology, which offers immediate value by mitigating costly process errors, improving workflow efficiency, creating novel data for decision-making, and integrating disparate systems. We will explore the technological state of modern labs, the hesitance towards implementing tracking technology, and the risks inherent to tracking tissue without utilizing end-to-end barcoding. Prima's capabilities, user interface, flexibility, and data capture will be demonstrated, underscoring the benefits of histology tracking software and debunking common stigmas against its adoption.



Event Speakers' Topics and Abstracts

DAY 2: Performance Improvement

🏠 KEYNOTE ADDRESS



Mastering Cybersecurity in Healthcare: A Leadership Roadmap

By Larry Trotter II

Inherent Security LLC

Effective leadership is crucial for shaping cybersecurity practices, particularly in the healthcare sector. This keynote explores the foundational principle that effective cybersecurity starts at the top and must permeate the entire organization. C-suite engagement is essential for supporting security efforts and fostering a culture of cybersecurity awareness and resilience.

Healthcare organizations face unique challenges in safeguarding patient data and complying with stringent regulations. We will delve into these challenges, examining recent cyber threats like ransomware and insider attacks, which underscore the urgent need for robust cybersecurity measures. The presentation also addresses the impact of technological advancements, such as AI, blockchain, and medical devices, which present both opportunities and complex security requirements.

Finally, we will outline actionable strategies for transformative change, leveraging industry best practices to help healthcare organizations enhance their cybersecurity posture and protect patient data more effectively. This keynote aims to empower leaders to rethink and integrate cybersecurity strategies at every level.

SPEAKER 01



Building for Excellence: A consolidation and design case study for the Biomedical Research Institute (BMRI) at Tygerberg Medical Campus, Cape Town, South Africa.

By Su-Anrie Aucamp and Carike Uys

LTS

Discover how LTS, as the laboratory specialist consultant, collaborated with architects and engineers to design state-of-the-art laboratories for 13 departments at the University of Stellenbosch's Tygerberg medical campus.

Explore the new 7000 sqm research facility, featuring South Africa's largest Biosafety Level 3 (BSL-3) lab, cutting-edge dissection halls, and the first fully automated biorepository (BiOS) in the Southern Hemisphere, earning the BMRI its world-class status.

Learn about strategic consolidation and meticulous planning that optimizes workflow, ensures safety compliance, and anticipates future growth. Gain valuable insights into space utilization, avoiding service duplication, and designing for sustainability.

This case study offers insights into effective laboratory consolidation and design strategies, highlighting the importance of strategic planning and stakeholder engagement. It provides valuable lessons for organizations considering similar initiatives and showcases how innovative design can enhance scientific research, operational efficiency, and educational excellence.



Event Speakers' Topics and Abstracts

DAY 2: Performance Improvement

SPEAKER 02



Improving Turnaround Time in Urine Analysis and Culture using Flow Cytometry and MALDI-ToF.

By Dr. Carolina Prieto Castillo

Formato Clínico Chile and DIPRECA Hospital

Timely identification of uropathogens and their antimicrobial susceptibility is critical for effective patient management. Traditional urine analysis and culture methods are reliable but time-consuming.

This talk explores a novel protocol leveraging Flow Cytometry and MALDI-ToF mass spectrometry to enhance turnaround times in urine analysis. Flow Cytometry enables rapid bacterial screening, selecting samples for further analysis, while MALDI-ToF allows rapid identification directly from urine samples. Rapid Antimicrobial Susceptibility Testing (AST) from direct samples using MALDI-ToF is also discussed. This approach identifies gram-negative uropathogens in less than 7 hours and provides AST results within 24 hours for 70% of samples, significantly reducing turnaround time. This protocol utilizes existing laboratory methods to accelerate critical information delivery, improving medical decisions and patient care.

Key Impact Points:

- ✓ Uropathogen identification in <7 hours.
- ✓ AST results in 24 hours for most samples.

Your Organizer and Host



Hanine van Deventer

Chief Executive Officer at LabVine

Hanine brings over 16 years of experience as a professional engineer, managing large-scale infrastructure projects. Renowned for her adept management of multidisciplinary projects, Hanine champions excellence through performance-driven initiatives.

Her proactive approach to change has positioned her as a leader in implementing innovative systems. Since 2020, she has steered LabVine towards unprecedented success, offering unparalleled support to laboratories globally. Under her leadership, LabVine has become synonymous with innovation and collaboration, providing comprehensive training programs and fostering dynamic partnerships.

Her dedication to driving continuous improvement sets the standard for laboratory management, ensuring a brighter and more innovative future for the industry.

[VIEW ON LINKEDIN](#)

<https://www.linkedin.com/in/hanine-van-deventer-944a0b84/>



Sinalo Lilitha France

Customer Success | Digital Marketing | Administration

Dedicated and results-driven professional with a proven track record in Customer Success, Digital Marketing, and Administration. Passionate about creating exceptional customer experiences and driving business growth through strategic digital marketing initiatives. Adept at managing administrative tasks with efficiency and precision.

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<https://www.linkedin.com/in/sinalolilithafrance/>



Joy-Mari Buys

Digital Account Manager and Laboratory Professional

Joy-Mari is a dedicated laboratory professional and holds a master's degree in Medical Cell Biology from the University of Cape Town. Her extensive experience in laboratory science has provided her with a deep understanding of the field. In 2020, she joined the LabVine team and transitioned into the role of Digital Account Manager, where she plays a key role in curating and disseminating valuable insights from global experts in laboratory science, making advanced laboratory knowledge accessible to an international audience. As part of a dynamic team, she has contributed to reaching over 17,000 members, delivering unique and valuable content focused on the professional development of laboratory professionals.

[VIEW ON LINKEDIN](#)

<https://www.linkedin.com/in/joy-mari-buys-00a223a4/>



Speaker Bios

DAY 1



Katie Maloney

DeciBio



Katie is a principal at DeciBio, a strategy consulting firm focusing on precision medicine. At DeciBio, she helps lead their digital pathology work, including co-authoring their 2023 digital and computational pathology report (with a new edition planned for later this year), co-hosting an interview series with digital pathology industry KOLs, and conducting extensive research for client-facing work in the space. Additionally, she has participated in round table discussions for CAP Today and has advised many investors and external stakeholders interested in the space.

Date: September 03, 2024

Time: 13:15 - 13:45 UTC

Address: Setting the Stage: A Guide to the Digital Pathology Market

VIEW ON LINKEDIN

<https://www.linkedin.com/in/katie-maloney-442639148/>



Steve Box

X-Lab Ltd (AKA Labgnostic Inc)

Steve is the Global Business Development Director at X-Lab, where he has worked for over 10 years. He graduated with a degree in Computing for Medical and Health Sciences from the University of Leeds. During his degree, he completed an internship for Pathology Associates Medical Laboratories in the United States, completing research for the UK Department of Health comparing UK and US Labs' IT workflows.

Following his degree, Steve worked in management consultancy for 5 years in the health sector, delivering process management change in diagnostics. When Steve joined X-Lab, he was responsible for a business development strategy to connect all UK National Health Services laboratories to the National Pathology Exchange (now called Labgnostic). After driving uptake to more than 80% of the UK NHS Laboratories, Steve then took a global role in taking the laboratory exchange concept to multiple countries.

Date: September 03, 2024

Time: 13:55 - 14:35 UTC

Address: Lab Networks for Agnostic Connectivity

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<https://www.linkedin.com/in/stevebox/>



Speaker Bios

DAY 1



Jacob Gofman

Fortelinea Software Systems Inc.

Jacob Gofman has a decade of experience bringing novel software applications to the histology market from inception through product launch. He is the co-Founder and Chief Operating Officer at Fortelinea Software Systems and is responsible for managing product and business development, revenue growth, day-to-day operations, and corporate strategy.

In his time at Fortelinea, Jacob has driven the development and commercialization of the Prima for Pathology histology tracking software. This suite of applications, which is used by industry-leading companies in the clinical and research segments, helps laboratories track samples from inception through the workflow process while generating valuable data to drive decision making. In bringing Prima to market, Jacob has helped to build partnerships and manage complex projects with Pathology software and hardware providers to deliver integrated solutions to Prima users. His deep understanding of the unique challenges that histology labs face help him and the team at Fortelinea build valuable applications that drive innovation.

Date: September 03, 2024

Time: 14:45 - 15:25 UTC

Address: Histology Tracking for the Modern Lab: How to Reimagine and Embrace the Value of Sample Barcoding

VIEW ON LINKEDIN

<https://www.linkedin.com/in/jacob-gofman-1b283242/>

Speaker Bios

DAY 2



Larry Trotter II
Inherent Security LLC



Larry Trotter II is a seasoned cybersecurity expert specializing in compliance and security solutions across various sectors, with a significant focus on the healthcare industry. As the Founder of Inherent Security, he leads the development of tailored cybersecurity programs, emphasizing regulatory compliance, risk management, and strategic security audits. His expertise extends to aligning security initiatives with business objectives, particularly in environments governed by HIPAA and SOC 2.

Larry's profound impact on the healthcare sector is highlighted by his leadership in the Health and Human Services (HHS) 405(d) Cyber Task Group from 2019 to 2021 and his contributions as an MIT Enterprise Forum board member. His cybersecurity proficiency makes him a pivotal figure in advancing security measures that support laboratory transformation.

Date: September 04, 2024

Time: 13:15 - 13:45 UTC

Address: Mastering Cybersecurity in Healthcare: A Leadership Roadmap

[VIEW ON LINKEDIN](#)

<https://www.linkedin.com/in/larry-trotter-ii/>



Su-Anrie Aucamp
LTS

Su-Anrie is principal consultant with 11 years of experience working in the healthcare sector. She is design specialist with extensive experience in workflow optimization, operational efficiency improvement, and the design of specialized processes and facilities.

She has a proven track record in project management of multidisciplinary teams (engineers, architects, quantity surveyors), restructuring operational functions, and delivering significant productivity improvements. She has a passion for the design and maintenance of high-containment BSL-3 facilities, to ensure continued safety and performance improvement. She has delivered several successful large-scale laboratory design and construction projects across both the public and private sectors in multidisciplinary areas.

Su-Anrie holds a Bachelor of Engineering (B.Eng. Industrial) degree from the University of Pretoria. She is a member of the Southern African Institute for Industrial Engineering (MSAIIIE) and is also a Registered Professional Engineer (Pr. Eng.) with the Engineering Council of South Africa (ECSA). Su-Anrie also won the SAIIIE award as part of the core LTS BMRI project team for Best Engineering Work Conducted in Industry in 2023.

Date: September 04, 2024

Time: 13:55 - 14:35 UTC

Address: Building for Excellence: A Consolidation and Design Case Study for the Biomedical Research Institute (BMRI) at Tygerberg Medical Campus, Cape Town, South Africa.

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<https://www.linkedin.com/in/su-anrie-aucamp-13993746/>

Speaker Bios

DAY 2



Carike Uys

LTS

Carike is a senior consultant working as a laboratory design and specification specialist. She has nine years of experience in healthcare design and consulting, capacity analysis, and process improvement. She is passionate about laboratory design and has led and completed multiple projects from inception to close-out and validation.

She spent a year working for LTS UK, where she gained valuable experience and insight into the public and private healthcare systems. Her focus and expertise have involved laboratory process and infrastructure improvement through process analysis, resource capacity analysis, and facility design and specifications.

Carike holds a Bachelor of Engineering (B.Eng Industrial) degree from Stellenbosch University and is a registered Professional Engineer with the Engineering Council of South Africa (ECSA). She is also a Member of the South African Institute for Industrial Engineers (MSAIIIE). In 2023, Carike won the SAIIE award as part of the core LTS BMRI project team for Best Engineering Work Conducted in Industry.

Date: September 04, 2024

Time: 13:55 - 14:35 UTC

Address: Building for Excellence: A Consolidation and Design Case Study for the Biomedical Research Institute (BMRI) at Tygerberg Medical Campus, Cape Town, South Africa.

VIEW ON LINKEDIN

<https://www.linkedin.com/in/carike-uys-bbb981b4/>



Dr. Carolina Prieto Castillo

Formato Clínico Chile and DIPRECA Hospital

Formato Clínico Chile Director, she is an MD and Clinical Pathologist with 20 years of experience in charge of hospitals' Laboratories and Blood Banks in Chile. She is also the past president and current vice president of the Latin American Association of Clinical Pathologists and Lab Medicine (ALAPAC/ML) and the past president and current Director of SMLC in Chile.

Date: September 04, 2024

Time: 14:45 - 15:25 UTC

Address: Improving Turnaround Time in Urine Analysis and Culture Using Flow Cytometry and MALDI-ToF.

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<https://www.linkedin.com/in/carolina-prieto-castillo-a6b06334/>



Preliminary Program Outline September 03 - 04, 2024

LABORATORY NETWORKS AND NEW TECHNOLOGIES

PERFORMANCE IMPROVEMENT

TIME (UTC)	TUESDAY	WEDNESDAY
13:00- 13:10	OPENING SHOW	OPENING SHOW
13:10- 13:15	WELCOMING BY LABVINE	WELCOMING BY LABVINE
13:15 - 13:45	<p>Setting the Stage: A Guide to the Digital Pathology Market</p> <p>Keynote Speaker: Katie Maloney from DeciBio</p>	<p>Mastering Cybersecurity in Healthcare: A Leadership Roadmap.</p> <p>Keynote Speaker: Larry Trotter II from Inherent Security LLC</p>
13:45 - 13:55	BREAK	BREAK
13:55 - 14:35	<p>Lab Networks for Agnostic Connectivity</p> <p>Speaker: Steve Box from X-Lab Ltd (AKA Labgnostic Inc)</p>	<p>Building for Excellence: A Consolidation and Design Case Study for the Biomedical Research Institute (BMRI) at Tygerberg Medical Campus, Cape Town, South Africa.</p> <p>Speaker: Su-Anrie Aucamp and Carike Uys from LTS</p>
14:35 - 14:45	BREAK	BREAK
14:45 - 15:25	<p>Histology Tracking for the Modern Lab: How to Reimagine and Embrace the Value of Sample Barcoding</p> <p>Speaker: Jacob Gofman from Fortelinea Software Systems Inc.</p>	<p>Improving Turnaround Time in Urine Analysis and Culture Using Flow Cytometry and MALDI-ToF.</p> <p>Speaker: Dr. Carolina Prieto Castillo from Formato Clínico Chile and DIPRECA Hospital</p>
15:25 - 15:55	Q&A	Q&A
15:55 - 16:00	REFLECTION AND CLOSURE	REFLECTION AND CLOSURE

* This program is subject to change without prior notice.

LTSS 2024 is an international, sponsored event, and attendance is free of charge. Delegates attending the entire event will receive a Certificate of Attendance. Contact us for more information.

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Date: September 03-04, 2024
Time: 13:00 – 16:00 UTC Daily
Duration: 2 Days
Hosted By: [LabVine](https://www.labvine.com)
Location: Virtual Zoom Event

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become a **Sponsor**
at the LTSS 2024.

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