future
laboratory informatics

BUILDING THE TECHNOLOGY AND INDUSTRY CAPABILITY TO ACHIEVE THE LAB OF THE FUTURE

Digital Webinar Draft Agenda

15-17th September 2020

All Times Listed in BST (British Summer Time)

This is a live document that changes daily. For up to date information regarding the forum please contact Emily Shirrefs, Senior Conference Producer, on emily.shirrefs@iqpc.co.uk tel: +44 (0) 207 368 9569

Webinar Day 1 – 15th September
11:30 — Pharma IQ Welcome
11:35 — Chairman's Welcome Address

11:30	Pharma IQ Welcome
11:35	Chairman's Welcome Address
11:40	**Connections are everything - how to reach end-to-end automated research workflows** • Assess the current level of automation for end-to-end laboratory workflows in the life science research space and how the strong focus on automating single workflow steps with separated instruments/integrations can delay overall process automation • Look into business process modelling and management tools as they are applied successfully in other industries and what limits their adoption as a proposed solution for life science automation • Identify the essential requirements of end-to-end research workflow automation and how business process management tools can help to achieve the goal of a FAIR, digital, lab of the future Andreas Steinbacher, R&D Informatics and Machine Learning/Artificial Intelligence, Leader for Lab Automation, **Roche**
12:20	**Unstructured Scientific Data Is Your Company's Biggest Strategic Risk** *A View from CEO/CFO, R&D, QA, Reg Affairs & Process Improvement* • What are Pharma's biggest business challenges and needs for this data? • What are the current problems that impact the business? • What if we could change the game? Dr Haydn Boehm, Head of Commercial Marketing - Connected Lab, **Merck**
13:00	**Building An Integrated End-to-End Solution for Analytical Labs** • Assess effective ways to integrate analytical requests, data acquisition and approval work flows • Automated retrieval, analysis and publication of results data to streamline your operations • Build processes to ensure a fully integrated ELN, sample processing workflow, compound registration and inventory Jeff Carter, Co-founder and COO, **Arxspan – A Bruker Company**
13:40	**Lunch Break**
14:40	**Breaking Down The Buzzword – How Transitioning To 'Lab 4.0' Can Impact Your Organization** • Understand the role a LIMS solution plays within a Lab 4.0 implementation • Become aware of the challenges that need to be tackled for a smart digitalization of your lab processes and how STARLIMS can help to overcome those challenges • Learn how a Lab 4.0 implementation can support compliance and increase efficiency

		Andreas Schüler, Technical Solution Design Manager, **Abbott**
15:20		**Digitalising A Brand New Site To Lab 4.0– What To Do When Your Company Is Behind Your Site** • Examine a case study of new site development strategy formation and how this translated in real life implementation • Discuss the critical success factors when developing a new site from scratch and how this differs from updating existing sites and infrastructure • Outline your site management strategy when your systems and informatics capabilities exceed your other sites Cindy Novak, Lab Operations Manager, **Bristol-Myers Squibb**
16:00		**Close of Webinar Day 1**

Webinar Day 2 – 16th September	
12:10	Chairman's Welcome and Summary of Day 1
12:20	**Combining The FAIRificafion Of Fermentation Data And User Experience In Software Development** • Look at how FAIRification and usability can be combined to enhance both your software capabilities and your user compliance • Explore how FAIRification can enhance comparability of analytical results across platforms and sites • Discuss the role of user experience testing in enhancing systems compliance and data utilisation Pedro Ivo Guimaraes, Principle Scientist and Head of Digital Workflow Development, **Roche**
13:00	**Tackling System Retirements From A Records Management Perspective** • Incorporate disruptive systems retirement in accordance with well-defined and documented processes through a case study of retiring systems containing regulated records • Assess – and plan for – the consequences of systems retirement on systems usability and capacity • Discuss recommendations and tools for retirement including risk assessments, and lessons Dora Endreffy, Global Records Manager, **ICON** and Chair, **HSRAA**
13:40	**Lunch Break**
14:40	**Integrating multiple data sources for meaningful laboratory insight** *What you can expect to learn from this session* • How to integrate various data sources to improve laboratory operations • How to leverage real-time data to mitigate risks and secure valuable assets • How lab monitoring enables a remote workforce Han Weerdesteyn, Chief Commercial Officer, **XiltriX** Stephen Tierney, President, **XiltriX**
15:20	**Integrating Lab Data Automation and Scientific Informatics Platforms to Facilitate Data-Centric Research** • Optimizing data flow from instruments to experiments, analytics and learners • Review of customer scenarios integrating data automation and informatics • The added value for externalized research projects Rob Brown, Ph.D, VP of Product Marketing, **Dotmatics**
16:00	**Keynote: Networks in Medicine – Data Visualization and Analysis in Virtual Reality** • Examine meaning and usefulness of networks in a bio-medical context • Assess virtual reality as an intuitive data analysis platform for combining human and

	machine intelligence Felix Müller, Data Scientist Menche Lab, **CeMM Research Center**
16:40	**Close of Webinar Day 2**

Webinar Day 3 – 17th September	
13:50	Chairman's Welcome and Summary of Day 2
14:00	**Running The Lab As A Factory, What Does Industry 4.0 Bring?** • Discuss how data, information, and knowledge are the products of the lab, creating value for your business • Assess why digitalisation of the lab needs a major overhaul to be as agile as your business • Benchmark your digitalisation projects against real case studies of implementation and roll-out Rik Pepermans, IT Innovation Lead, R&D IT Evangelist, Former Unilever
14:40	**Success Begins With Your Strategy: Building Your Data Management Capabilities For An Analytical Environment** • Discuss critical success factors for an effective data management strategy to ensure end to end systems and user compliance • Examine the transition to an automated and analytical environment – what are the data management requirements and restrictions that need to be considered? • Enhance your informatics systems: integrating analytical capabilities to utilise your data as next steps to optimising ongoing data management Richard Caron, Associate Director, Global MQIT Lead, **Eli Lilly**
15:20	**Modular Lab – Results For Building A Flexible Laboratory Environment** • Examine why a modular software environment is currently without alternatives • Discuss what Smartlab should have learned from Smarthomes • Map out how a modular system in a laboratory could look Matthias Freundel, Group Leader, **Fraunhofer IPA Research Unit**
16:00	**Chairman's Closing Summary And End Of Webinar**