

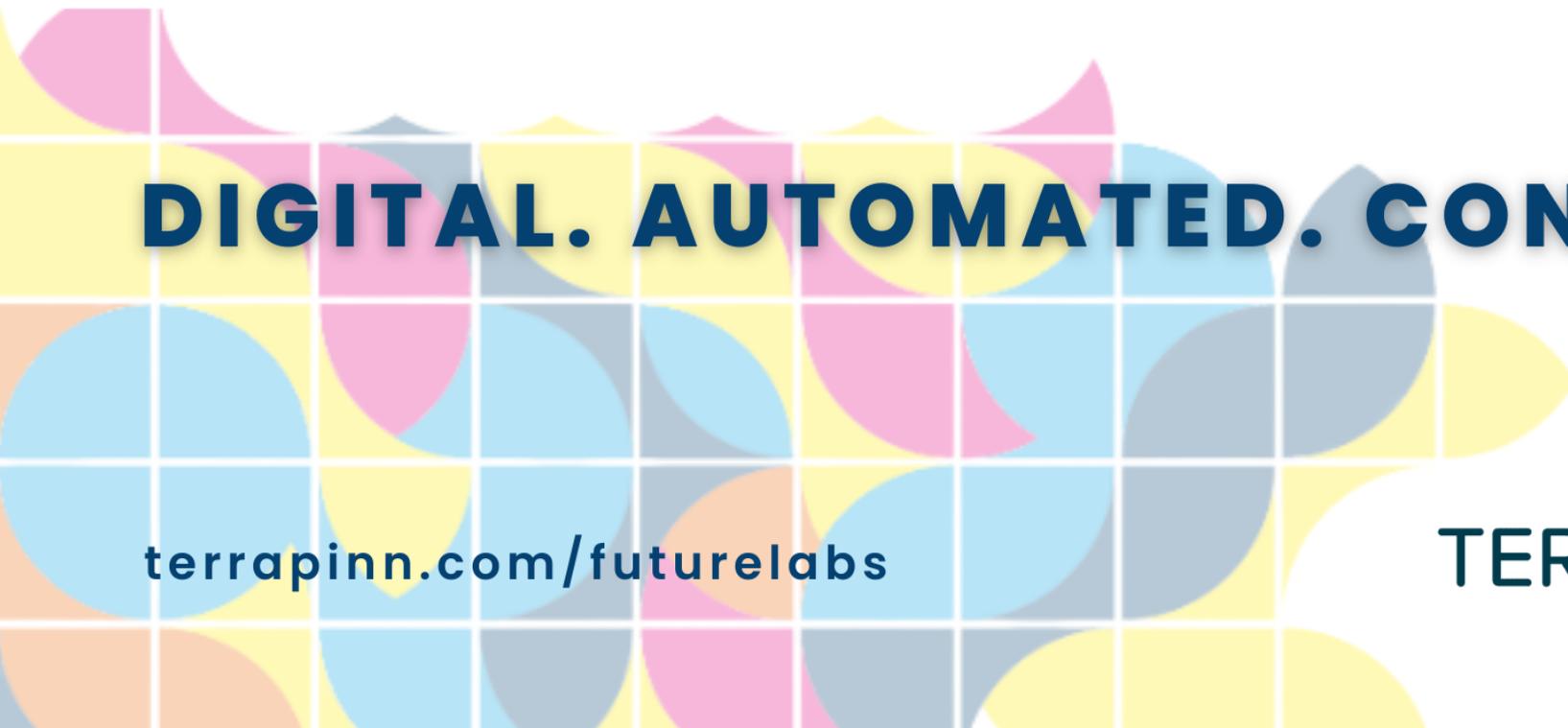
# **FUTURE LABS** LIVE

**Congress Centre Basel, Switzerland  
26-27 June 2024**

**DIGITAL. AUTOMATED. CONNECTED.**

[terrapinn.com/futurelabs](https://terrapinn.com/futurelabs)

SPARK SOMETHING  
**TERRAPINN** 



# Key Themes



ARTIFICIAL  
INTELLIGENCE,  
MACHINE LEARNING &  
DEEP LEARNING\*



AUTOMATED,  
INTEGRATED &  
INTEROPERABLE  
DISCOVERY



DATA MANAGEMENT,  
STANDARDS &  
ANALYTICS



CONNECTIVITY &  
COLLABORATION



DIGITAL  
TRANSFORMATION



LAB OPERATIONS &  
EFFICIENCY



SMART LAB  
FACILITIES



SUSTAINABILITY



TRAINING,  
DEVELOPMENT &  
CHANGE  
MANGEMENT

# Pre event workshops; 25 June

Topic include:

- Green supply chain
- Hackathon SiLA & AniML
- Automation 101: Starting your automation journey
- Lab Safety—challenges, techniques, strategies, and solutions

Sponsored workshops still available contact: [Shilpa.suthar@terrapinn.com](mailto:Shilpa.suthar@terrapinn.com)

# Advisory Board



Patrick Courtney  
Director  
SiLA Consortium



Thorsten Teutenberg  
Head of Department  
Iuta



Samantha Pearman-Kanza  
Senior Enterprise Fellow  
University of Southampton



Martin Winter  
CEO  
Lab Automation Network



Ellen Piercy  
Automation Lead Engineer  
Unilever



Burkhard Schafer  
Head of Partnering  
SiLA Consortium/AniML



Vincent Revol  
Head Research and Business Devel...  
CSEM



Hermann Tribukait  
Co-Founder & CEO  
Atinary Technologies Inc.



Jens Feddern  
Head Vertical Market Life Sciences  
Siemens



Andreas Traube  
Department Manager  
Fraunhofer IPA



Andreas Steinbacher  
Head of Software Products  
Novo Nordisk

## Day 1: Wednesday 26 June 2024

Keynote:

08.30	<b>Chairs opening remarks:</b>						
08.40	<b>Keynote Lecture: * Title TBC</b> Jens Feddern, Head Vertical Market Life Sciences, Siemens						
09:05	<b>Keynote Panel: Is data driving us or holding us back from utilising AI?</b> <ul style="list-style-type: none"> <li>• What are the main data issues corporations are experiencing with data capture, management and storage?</li> <li>• How can we increase data quality, reduce bias, ensure effective data security?</li> <li>• How to train data sets in a simple but effective way?</li> <li>• Examples of your companies' data strategies that allow effective use of AI</li> </ul> Scott Oloff, SVP of Data & Analytics, Roche Teodoro Laino, Technical Leader, Molecular Simulation, IBM Bartosz Grzybowski, Professor, Polish Academy of Sciences Marissa Mock, Senior Director of research at Biologic Therapeutic Discovery, Amgen *TBC Invited: Benjamin Szilagyi, Vice President Data Science, Dsm-Firmenich						
10.00	Networking Break						
10.15	Roundtable sessions  Limited number of sponsored workshops still available, contact: <a href="mailto:Shilpa.suthar@terrapinn.com">Shilpa.suthar@terrapinn.com</a>						
11.15	Break						
11.30	Main Tracks						
	First round of Start-up pitches at start-up theatre on exhibition floor						
	Automated, Integrated & Interoperable Discovery	Data Management, Standards & Analytics	Digital Transformation  Theme Sponsor: Agilent	Artificial Intelligence, Machine & Deep Learning	Connectivity & Collaboration  <i>Reserved Theme Sponsor: BIOVIA</i>	Smart Lab Facilities  Theme Sponsor: Smart Labs Ecosystem (Siemens H.Ludi AG)	Lab Operations & Efficiency  Theme Sponsor: CBRE
	Chair:	Chair:	Chair:	Chair:	Chair:	Chair: Jens Feddern, Head Vertical Market Life Sciences, Siemens	Chair:
11.30	Enhancing automation	Data strategy and governance	Optimising digital transformation	AI and beyond	Collaboration = Innovation	Innovation in facility development	Cost reduction and optimisation

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapinn.com](mailto:Ellie.whitehead@terrapinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapinn.com](mailto:Shilpa.suthar@terrapinn.com)

<https://www.terrapinn.com/futurelabslive>

	Automated closed-loop systems for self-optimisation in materials science	Your institute needs a data strategy now, and here is why <i>Invited: Victoria Gamerman, Global Head of Data Governance and Insights, Boehringer Ingelheim</i>	How can we optimise laboratory operations with digital services? lessons learned and best practices <b>Rouan Tulloch</b> , Digital Services Sales Specialist, North EMEA, <b>Agilent Technologies</b>	The Benefits of an AI-driven, interconnected lab of the future <i>Reserved: Track sponsor</i>	<i>Reserved: Track sponsor</i>	Establishing, short-, mid- and long-term strategies for lab facilities and real estate <b>Ineke Lenssen</b> , User Team Lead R&D, <b>Roche Diagnostics</b>	Penzberg's pinnacle: Building tomorrow's lab - Integrating new R&D facilities, digital tech, and sample management <b>Stefan Datz</b> , Head of R&D Services Germany, <b>Roche</b>
12.00	<i>Reserved: Track sponsor</i>	Ensuring effective data captures to maintain data integrity	Computational modelling /Computationally guided experimental design	Coupling natural language processing with deep learning to design advanced materials <i>Invited: Michael Rohwerder, Head of Corrosion Group and Scientific Coordinator, Max-Planck-Institut für Eisenforschung GmbH</i>	Encapsulating ideas from the inside-out and outside-in to develop the lab of the future <b>Davide Spoldi</b> , IM&T Platform Manager, <b>Givaudan</b> * TBC	*Title TBC <b>Senior Representative, Smart Labs Ecosystem (Siemens H.Ludi AG)</b>	Mixed reality maintenance and repair solutions in the Lab of the Future ecosystem <b>Miquel Vidal Trilla</b> , Head of Augmented Reality, <b>CBRE</b>
12.30	2D drone swarm system for chemical sample transfer <b>Pascal Miéville</b> , Executive Director, <b>EPFL</b>	Unleash the potential of data governance by synergising knowledge graphs and LLMs <i>Invited: Ankit Geete, Director Data Value Office, BioNtech SE</i>	Revolutionizing sciences through digital transformation: success stories and pitfalls * title TBC <b>Paul Denny Gouldson</b> , CSO, <b>Zifo</b> * TBC  <b>Kristina Goncharenko</b> , Lead Consultant, <b>Zifo</b> * TBC	Impact of automation and digital tools on the future of data and machine learning <b>Priya Anand</b> , Product Development Manager, <b>BASF</b>	Laboratory device connectivity at scale <b>Jan Buch</b> , Head of Business Development, <b>Labforward</b>	Panel: Driving innovation and maintaining standards in facility design and development -Examples of development strategies -How are facilities shifting towards a more sustainable design? -What do facilities standards look like across EU and how we can learn, enhance ideas and adapt from other countries? <b>Senior Representative, Smart Labs Ecosystem (Siemens H.Ludi AG)</b> <b>Miguel Antunes Pinto</b> , Lab Planner, <b>Pharma Arquitetos</b>	Parameter control in laboratory processes <b>Andreas Traube</b> , Department Manager, <b>Fraunhofer IPA</b>
13.00	AG brings 50 years of leading-edge process automation knowhow to LAB & GMP robotics <b>Alain Farine</b> , Business Development Manager Automation, <b>JAG</b>	Simplifying manual sample tracking using existing lab 4.0 technologies * title TBC <b>Senior Representative, Titian Software</b>	Leveraging digital twins to design and develop new ways of working	Bridging the ML and chemist gap <b>Benjamin Deadman</b> , Reaction Data Evangelist and Program Manager, <b>Open Reaction Database</b>	Improving collaboration through AR <i>Invited: Marc Pollefeys, Professor, ETH Zurich</i>	*Title TBC <b>Senior Representative, Metrohm</b>	

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapinn.com](mailto:Ellie.whitehead@terrapinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapinn.com](mailto:Shilpa.suthar@terrapinn.com)

<https://www.terrapinn.com/futurelabslive>

	<b>Julien Fizet</b> , Business Development Manager Robotics, <b>JAG</b>					<b>Daniel Johansson</b> , Director, Lab Capability Build, <b>AstraZeneca</b> * TBC <i>Invited: Valerie Fitzgerald, Associate Director, Development Lab Operations Lead- BioNX Facility, MSD</i>	
13.30	<b>Break</b> First round of Start-up pitches continued at start-up theatre on exhibition floor						
	<b>Automated, Integrated &amp; Interoperable Discovery</b>	<b>Data Management, Standards &amp; Analytics</b>	<b>Digital Transformation</b>  Theme Sponsor: Agilent	<b>Artificial Intelligence, Machine &amp; Deep Learning</b>	<b>Connectivity &amp; Collaboration</b>  <i>Reserved Theme Sponsor: BIOVIA</i>	<b>Smart Lab Facilities</b>  Theme Sponsor: Smart Labs Ecosystem (Siemens   H.Ludi AG)	<b>Lab Operations &amp; Efficiency</b>  Theme Sponsor: CBRE
	<b>Chair: Thorsten Teutenberg</b> , Head of Department, Iuta	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair: Jens Feddern</b> , Head Vertical Market Life Sciences, Siemens	<b>Chair:</b>
13.45	<b>Robotics: Cobots, Mobile &amp; Soft</b>	<b>Data capture and management</b>		<b>Self-Driving Labs</b>	<b>Device connectively &amp; integration</b>	<b>Designing the lab of the future</b>	<b>Space and asset management</b>
	<b>Implementing cobots into a microscopy facility</b> <b>Michael Abanto</b> , Head of Microscopy Core Facility, <b>University Basel</b> * TBC	<b>Navigating the complexities of data management in discovery and development research with CDD Vault®</b> * Title TBC <b>Senior Representative, Collaborative Drug Discovery</b>	*Title TBC <b>Robert Brown</b> , Snr Director, Product Marketing, <b>Sapio Science</b>	<b>SDLs– The future of science is accelerated</b> <b>Sean Caffrey</b> , Executive Director, <b>Acceleration Consortium at University of Toronto</b>	<b>API is integral to connectivity, so let's get it right!</b> <b>Debbie Bard</b> , Group Lead for Data Science Engagement, <b>National Energy Research Scientific Computing Center (NERSC)</b>	<b>Designing, engineering, and delivering ultra-clean and sustainable lab facilities</b> * TBC title <b>Senior Representative, EXYTE</b>	<b>Lab Space &amp; Asset Management (LSAM) – Optimisation via sensor and non-sensor data</b> <b>Emrah Sürün</b> , Sr. Market Solutions Manager - R&D Solutions, <b>Roche</b>
14.15	<b>Whole system complete workflow with integrated mobile robots</b> <b>Kerstin Thurow</b> , Professor of Automation, Center for Life Science Automation, <b>University of Rostock</b>	<b>Ensuring effective data capture to maintain data integrity</b>	<b>Digital twin, reducing processing time and costs, increasing efficiencies, and decreasing environmental impact</b> <i>Invited: Niels Vandervoort, Senior Pilot Plant Systems Lead,</i>	<b>ML software solutions and self-driving labs to accelerate R&amp;D today</b> <i>Reserved Atinary</i>	<b>Collaborate to innovate: The advantages of embracing third-party integrations in SaaS platforms</b> * title TBC <b>Senior Representative, eLabNext</b>	<b>Lab-tory: Lab and factory facilities in one, for continuous processing food development</b> <b>Tilo Hühn</b> , Professor, <b>ZHAW Life Sciences and Facility Management</b>	<b>Centralised and decentralised approaches</b> <i>Reserved</i>

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapi.com](mailto:Ellie.whitehead@terrapi.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapi.com](mailto:Shilpa.suthar@terrapi.com)

<https://www.terrapi.com/futurelabslive>

			<i>Janssen Pharmaceutical Companies</i>				
14.45	<b>Deploying mobile robotics for laboratory orchestration</b> * title TBC <i>Senior Representative, Biosero</i>	<b>Easy drive-Virtual interface to integrate all document management systems</b> <i>Roman Saiz, Product Owner, Roche</i>	*Title TBC <i>Senior Representative NNIT</i>	<b>PolyBot: the universally applicable and reconfigurable SDL</b> <i>Invited: Jie Xu, Assistant Scientist, Argonne National Lab</i>	<b>PyLabRobot - A universal open-source interface to liquid-Handling robots</b> <i>Stefan Golas, Automation Engineer, Duke University)</i>	<b>Evolving facility design to enhance and elevate the future of product pipeline</b>	<b>Asset management tools and services monitor instruments/Advanced laboratory monitoring</b>
15.15	<b>Utilising soft robotics and LLMs to change how we use robots in the labs</b> <i>Josie Hughes, Tenure Track Assistant Professor, EPFL</i>	<b>Predicting Organic Solubility - A Journey Through Automated Workflows, Data, &amp; Models</b> <i>Luigi Da Vià, High-Throughput Automation Team Leader, GSK</i>	<b>Revolutionizing biochemistry: the role of IoT in advancing research</b>	<b>Self-driving and cloud-connected labs for accelerating integration of Energy Materials</b> <i>Kourosh Malek, Head of Division Artificial Materials Intelligence, Forschungszentrum Jülich</i>	<b>Harmonizing data with an open-source approach and interoperable format</b> <i>Ricardo Cunha, Scientific Researcher, Institut für Umwelt &amp; Energie, Technik &amp; Analytik e. V. (IUTA)</i>	<b>UCL Centre for Sustainable Development</b> <i>Invited: Wei Chen, Interim Director, UCL Computer Science Centre</i>	* Title TBC <i>Senior Representative, Agilent</i>
15.45	<b>Break</b> First round of Start-up pitches continued at start-up theatre on exhibition floor						
	<b>Automated, Integrated &amp; Interoperable Discovery</b>	<b>Data Management, Standards &amp; Analytics</b>	<b>Digital Transformation</b>  Theme Sponsor: Agilent	<b>Artificial Intelligence, Machine &amp; Deep Learning</b>	<b>Connectivity &amp; Collaboration</b>  <i>Reserved Theme Sponsor: BIOVIA</i>	<b>Smart Lab Facilities</b>  Theme Sponsor: Smart Labs Ecosystem (Siemens   H.Ludi AG)	<b>Lab Operations &amp; Efficiency</b>  Theme Sponsor: CBRE
	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b> <i>Senior Representative, BIOVIA</i>	<b>Chair:</b> <i>Jens Feddern, Head Vertical Market Life Sciences, Siemens</i>	<b>Chair:</b> <i>Vitaly Biniyaminov, CEO, Automation Expert, Steinbeis-Beratungszentrum</i>
16.00	<b>More than automation</b>	<b>Data storage</b>	<b>LIMS, ELNs and more</b>	<b>AI for DD</b>	<b>Reserved: BIOVIA symposium</b>	<b>Future trends</b>	<b>hybrid lab automation: strategies and implementations</b>

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrappinn.com](mailto:Ellie.whitehead@terrappinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrappinn.com](mailto:Shilpa.suthar@terrappinn.com)

<https://www.terrappinn.com/futurelabslive>

	<p><b>Full integration of ML into an ontology guided automated robotic workflow</b>  <b>Mark Doerr</b>, Senior Scientist, <b>University in Greifswald</b></p> <p><b>Stefan Born</b>, Lecturer, <b>Technische Universität Berlin</b></p>	<p><b>Panel: Should we ever delete data?</b>          -What are the regulatory perspectives for keeping data? 5-10 years?          -What should our data strategies look like moving forward?          -Addressing data trustworthiness          -What does long term archiving of data look like? Can it be easily accessible after this and does it save much space?          -What is the future of data storage?</p> <p><b>Moderator: Samantha Pearman-Kanza</b>, Senior Enterprise Fellow in Chemistry, <b>University of Southampton</b>  <b>Alfred Stefan</b>, Manager, <b>LU Informatics, AbbVie</b>  <i>invited: Saibal Mukherjee, Director, GI/GI Rare &amp; Digital Initiatives, Takeda</i>  <i>Invited: Darren Bell, Director of Technical Services, UK data services</i></p>	<p><b>Finding the right LIMS for you</b>  <i>Reserved</i></p>	<p><b>DragonFold: Deep learning protein ligand co-folding platform</b>  <i>Invited: Sarah Skerratt, Senior Vice President, Head of Drug Discovery, CHARM Therapeutics</i></p>	<p><i>Reserved: BIOVIA symposium</i></p> <p><b>Details TBC</b></p>	<p><b>Developments and future trends</b>  <b>Andrei Koshelev</b>, Head, Real Estate Asset Management, <b>ETH Zurich</b></p>	<p><b>Getting down to business: pragmatic solutions for laboratory automation</b>  <b>Brian Pauw</b>, R&amp;D Scientist and engineer, <b>Federal Institute for Materials Research and Testing (BAM)</b></p>
16.30	<p><b>Senior Representative, HighRes Biosolutions</b></p>	<p><b>Case study: outgrowing and upgrading your ELN</b>  <b>Andrew Palfreeman</b>, Senior Operations Support Manager, <b>Quell Therapeutics</b></p>	<p><b>*Title TBC</b>  <b>Senior Representative, Genedata</b></p>	<p><b>A deep dive into the Material Innovation Factory</b>  <i>Invited: MIF University of Liverpool</i></p>		<p><b>Keeping on track: Implementation and management strategies</b>  <b>Vitaly Biniyaminov</b>, CEO, Automation Expert, <b>Steinbeis-Beratungszentrum</b></p>	
17.00	<p><b>The next step towards to future: AI mobile robot, open loop human interaction</b>  <i>Invited: Andy Cooper, Director, Materials Innovation Factory, University of Liverpool</i></p>	<p><b>Does the Future of Data Storage Lie in DNA Microcapsules?</b>  <i>Invited: Willem Mulder, Professor of Precision Medicine, Eindhoven University of Technology</i></p>	<p><b>Ensuring your systems are cybersecurity safe</b>  <i>Reserved</i></p>	<p><b>Digital, computational and ML tools for biological molecule design</b>  <i>Invited: Andrew Buchannan, Principal Scientist, AstraZeneca</i></p>		<p><b>Innovative IT projects- the answer to solving facility &amp; operations sticking points</b>  <i>Reserved</i></p>	<p><b>Real-life utilization examples of hybrid automated laboratory infrastructure</b>  <i>Reserved</i></p>

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapiinn.com](mailto:Ellie.whitehead@terrapiinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapiinn.com](mailto:Shilpa.suthar@terrapiinn.com)

<https://www.terrapiinn.com/futurelabslive>

17.30	<b>Accelerating automation in cell culture labs</b> <i>Reserved</i>	<b>Archiving lab records * title TBC</b> <b>Amellalih Reza Salgado</b> , Global Quality Management and Lab Operations, <b>Bayer</b>	<b>Unlocking the value of digital transformation</b> <b>Alexander Iliyashov</b> , Head Financial Planning, <b>Novartis</b>	<b>Utilising deep learning and high-throughput experimentation to enable late-stage drug diversification</b> <i>Invited: Antonia Stepan, Section Head, Medicinal Chemistry, Roche</i>		<b>Retrofit – redesigning your lab for flexible and adaptive space</b>	<b>Getting the most out of your lab</b> <i>Reserved</i>
18.00	<b>Close of day 1 Exhibition drinks reception</b>						

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapinn.com](mailto:Ellie.whitehead@terrapinn.com)  
For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapinn.com](mailto:Shilpa.suthar@terrapinn.com)

<https://www.terrapinn.com/futurelabslive>

## Day 2: Thursday 27 June 2024

### Keynote

08.20	<b>Chairs opening remarks:</b>						
08.30	<p><b>Keynote Panel: Can we hold the life science industry accountable for end-to-end sustainability throughout the whole development life-cycle?</b>                      The Converge initiative aims to ensure sustainability is embedded throughout all processes and operations within the life science industry. 6-months on, hear from pharma and suppliers how they will be ACT My Green Lab certified by 2030.</p> <ul style="list-style-type: none"> <li>• What is the purpose of agreement, what are the timelines, expectations and where are we?</li> <li>• What should stakeholders expect from this and how do we get involved? Understanding</li> <li>• Case studies on why big pharma are involved and how they plan to reach sustainability goals</li> </ul> <p>Moderator: <b>James Connelly, CEO, My Green Lab</b>  <i>AstraZeneca, GSK, Amgen, Bristol Myers Squibb *TBC</i></p>						
09:15	<p><b>Keynote Panel: The Future is synergistic: Is bioconvergence possible?</b>                      Bioconvergence is centered around the idea that the two pillars of biotechnology, biology and technology, aren't as hard to reconcile as they appear. How do we create synergy between lab innovations and computerized systems across multiple domains?</p> <ul style="list-style-type: none"> <li>• How can we bring ecosystems together to collaborate for innovation?</li> <li>• What are we doing to ensure our research is driven towards sustainable future oriented change?</li> <li>• Importance of interdisciplinary and cross team/organisational working</li> <li>• Addressing preconceptions around data privacy and security of outsourcing and collaborating?</li> <li>• How can vendor-end user collaborative R&amp;D models enhance innovation? Understanding</li> </ul> <p><b>Thomas Bauernhansl, Head, Fraunhofer IPA</b>  <i>Invited: Julie Huxley-Jones, VP Scientific Digital &amp; Tech, GSK</i>  <i>Invited: Héctor Martínez, CTO and Co-Founder, BICO</i>  <i>Invited: Belén Garijo, CEO, Merck KGaA</i>  <i>Invited: Bianca Maria Colosimo, Professor, Politecnico di Milano</i></p>						
10.00	<b>Break</b>						
10.15	<b>Main Tracks</b> <i>(Morning sponsored speaking slots available)</i> <b>Second round of Start-up pitches at start-up theatre on exhibition floor</b>						
	<b>Automated, Integrated &amp; Interoperable Discovery</b>	<b>Data Management, Standards &amp; Analytics</b>	<b>Digital Transformation</b>  <i>Reserved: Theme Sponsor Thermo Fisher</i>	<b>Artificial Intelligence, Machine &amp; Deep Learning</b>	<b>Connectivity &amp; Collaboration</b>	<b>Training, Development &amp; Change Management</b>	<b>Sustainability</b>  Theme Sponsor: My Green Lab
	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair: Patrick Ruch,</b> Senior Research Scientist, IBM	<b>Chair:</b>	<b>Chair: Samantha Pearman-Kanza,</b> Senior Enterprise Fellow in	<b>Chair:</b>

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapinn.com](mailto:Ellie.whitehead@terrapinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapinn.com](mailto:Shilpa.suthar@terrapinn.com)

<https://www.terrapinn.com/futurelabslive>

						Chemistry, University of Southampton	
10.15	<i>Reserved</i>	<i>Reserved</i>	<b>Digital Transformation in Pre-Clinical R&amp;D</b> <b>Jenny Giannini</b> , Scientific Content Specialist & Marketing Coordinator, <b>Labforward</b>	<i>Reserved</i>	<i>Reserved</i>	<i>Reserved</i>	<i>Reserved</i>
10.30	<i>Reserved</i>	<i>Reserved</i>	<b>Enabling scientists to drive innovation: digital transformation as a key foundation for a successful journey</b> <b>Tamara McKenna</b> , Director–Global Scientific LIMS Strategy and Business Development, <b>Clinisys</b>	<i>Reserved</i>	<i>Reserved</i>	<i>Reserved</i>	<i>Reserved</i>
10.45	<b>Automated framework</b>	<b>Data analysis</b>	<b>Lab 5.0</b>	<b>AI and beyond</b>	<b>Connecting communities</b>	<b>Training &amp; development</b>	<b>Sustainable processes</b>
	<b>Does everything need to be automated? Does automation solve everything?</b> <i>Invited: Nessa Carson, Digital Champion Associate Principal Scientist, AstraZeneca</i>	<b>Living datasets backed by automated experiments and open source methods</b> <b>Dana Cortade</b> , Technical Project Manager, <b>Align to Innovate</b>	<b>Digitalisation, connectivity and industrial IoT-Is this lab 5.0 or are we missing something?</b> -What type of standards do we need to develop and what services are available to enable a connected environment? -How can we make our labs and beyond connected from industrial IoT down to customer IoT? -Exploring approaches to leverage learnings and information sharing across different disciplines and organisations	<b>Nobel Turing Challenge: creating the engine for scientific discovery</b> <i>Invited: Hiroaki Kitano, Professor, Kyoto University</i>	<b>More than a lab-creating a community in shared lab spaces * Title TBC</b> <i>Reserved: Tebbe de Vries, Manager Laboratory, Strategy and Development, Basel Area</i>	<b>Panel: Retention vs resignation – how to ensure your lab techs want to say?</b> -What does a comprehensive onboarding process look like? -What are some of the common mistakes companies/institutes make with new starters? -How can we enable our scientists to work most effectively with technology/systems provided? -How can we ensure our scientists feel valued? <b>Samantha Pearman-Kanza</b> , Senior Enterprise	<b>Shaping a circular economy through plastic reuse</b> <b>Ali Safavi</b> , Founder & Chief Experience Officer, <b>Grenova</b>
11.15	<b>Optimising end-to-end workflow</b> <i>Reserved</i>	<b>Redefining energy efficiency in data processing</b> <i>Invited: Aleksandra Radenovic, Full Professor, EPFL</i>		<b>Multimodal foundation models for more reproducible scientific experimentation and data capture</b> <b>Patrick Ruch</b> , Senior Research Scientist, <b>IBM</b>	<b>Creating a research infrastructure to harness innovation</b> <b>Edo Avdic</b> , Head of IT & Digital, <b>Testa Center</b>		<b>Assessing our labs overall carbon footprint and identify leverage points reduce environmental impact</b> <b>Juliane Miani</b> , Sustainability Project Manager, School of Life Sciences, <b>EPFL</b>

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapi.com](mailto:Ellie.whitehead@terrapi.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapi.com](mailto:Shilpa.suthar@terrapi.com)

<https://www.terrapi.com/futurelabslive>

			-How can we embed cybersecurity into our digitalisation? <b>Vasu Rangadass</b> , CEO, <b>L7Informatics</b> <b>Claudio Battilocchio</b> , Transformation Lead CPR, Digital and Automation Prototype, <b>Syngenta</b>			Fellow in Chemistry, <b>University of Southampton</b> <b>Yousef Baioumy</b> , Automation Engineer, <b>Adaptive Biotechnologies Corp</b> <b>Marcia Ferraz</b> , Professor, <b>LMU Munich</b> <b>Jonathan Klane</b> , Senior Safety Editor, <b>Lab Manager * TBC</b>	
11.45	<b>Global PoC project-mobile manipulation and lab integration framework</b> <b>Ádám Wolf</b> , Robotics Working Group Lead & Member of the Board of Directors, <b>SILA</b>	<b>Data mining</b> <i>Reserved</i>	<i>Reserved: Thermo Fisher</i>	<b>Algorithmic experimental design for automated labs</b> <b>Alexei Lapkin</b> , Professor of Sustainable Reaction Engineering, <b>University of Cambridge</b>	<b>Rethinking connecting communities across different stages of development from innovation to application-The Device Translation &amp; Integration (DTI) scale</b> <b>Marshall Brennan</b> , Founding Editor in Chief of Device, <b>Cell Press</b>	<b>Applying low-cost VR and AI technology for hand-free cost-effective training</b> <b>Stephen Hilton</b> , Associate Professor School of Pharmacy, <b>University Colleague London</b>	<i>Invited: Ydna Questell-Santiago, Chief Technology Officer, Bloom Biorenewables</i>
12.15	<b>Break</b> <b>Start-up Theatre for the winner announcement of the start-up pitches</b>						
	<b>Automated, Integrated &amp; Interoperable Discovery</b>	<b>Data Management, Standards &amp; Analytics</b>	<b>Digital Transformation</b>	<b>Artificial Intelligence, Machine &amp; Deep Learning</b>	<b>Connectivity &amp; Collaboration</b>	<b>Training, Development &amp; Change Management</b>	<b>Sustainability</b>
	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>
12.30	<b>Low-cost automation</b>	<b>Data replication:</b>	<b>Human-machine interactions</b>	<b>Innovations in AI/ML</b>	<b>Enhancing experience and collaboration</b>	<b>Change management</b>	<b>Product sustainability</b>
	<b>Growing beef with robots: Building a robust lab automation pipeline for cultured meat research</b> <b>Jane Shmushkis</b> , Automation Engineer, <b>Mosa Meat</b>	<b>Going above and beyond FAIR data-Is our research reproducible?</b> We have spent the last few decades contemplating how to make data reusable. FAIR is One of the key sets of	<b>Voicebots and Digital Humans (NLP)- connecting machines and people</b> <i>Invited: Joanna Skotarczyk, Expert Software Developer</i>	<b>Utilising ML to decrease formulation development time lines</b> <i>Invited: Matthias Eisner, Innovation Manager, Yili</i>	<b>Creating innovation and the lab of future via a collaborative ecosystem</b> * Title TBC Senior representative, <b>CBRE</b>	<b>Interactive discussion</b> -Issues ? -Challenges ? -Questions ?	<b>Stainability product development starts in the lab</b> <b>Molly Strausbaugh</b> , Assistant Director, Content Operations, <b>CAS * TBC</b>

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapiinn.com](mailto:Ellie.whitehead@terrapiinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapiinn.com](mailto:Shilpa.suthar@terrapiinn.com)

<https://www.terrapiinn.com/futurelabslive>

	<b>Utku Ergün, Scientist, Mosa Meat</b>	guidelines that has had a real impact on the research community. Its important to note that making your DATA re-useable and making your RESEARCH reproducible are not the same thing. This session will comprise short presentations and panel discussions around the area of	<b>Digital Biomarkers Team, Roche</b>				
13.00	<b>Low cost automation solution</b> <i>Reserved</i>	reproducibility, bringing many different perspectives across industry, academia, and a wide range of different scientific research considerations. <b>Moderator: Patrick Courtney, Director, SiLA Consortium</b> <i>Invited: Steve Penn, Director, Information Strategy, Pfizer</i> <i>Invited: Peter McQuilton, GSK</i> <i>To invite: Kevin Ashley, Director, Digital Curation Centre</i> <i>To invite: Dominique Besso, Associate Director, Discovery Data at Medicines</i>	<b>Synergizing human and machine interaction with digital transformation</b> <i>Reserved</i>	<b>ML for chemical applications</b> <i>Invited: Solena Materials Limited</i>	<b>Workplace experience</b> <b>Christiane Glanzmann, Global Expert Laboratory Workplace Strategy, Roche</b>	<b>Bringing people along on the journey</b> <b>Nathan Barrow, R&amp;D Digitalisation Lead, Johnson Matthey</b>  <b>Andrea Sauerwein, R&amp;D Data Readiness Lead, Johnson Matthey</b>	<b>Creating biodegradable ingredients</b> <i>Invited: Iberchem</i>
13.30	<b>Cost efficient lab automation solutions for SMEs and smaller laboratories: novel software and hardware concepts</b> <b>Thole Züchner, Full Professor for Bioanalytics and Laboratory automation, Albstadt-Sigmaringen University</b>		<b>Making your lab smart with connected lab assistant * Title TBC</b> <b>Jeremy Frey, Head of Computational Systems Chemistry, University of Southampton * TBC</b>	<b>Eradicating data bias for an accurate generative AI representation</b> <i>Invited: Jose Santamaria, Associate Professor, University of Jaén</i>	<b>Collaboration on a large scale—harmonising multiscale labs</b> <i>Reserved</i>	<b>Shifting mindsets towards adaptive, open and constructive working * title TBC</b> <b>Moussa Barhoum, Venture and Innovation Manger Digital R&amp;D, Covestro</b>	<b>Predicting sustainability with an ELN and green AI</b> <i>Invited: Jonathan Hirst, Professor of Computational Chemistry, University of Nottingham</i>
14.00	<b>Break</b>						
	<b>Automated, Integrated &amp; Interoperable Discovery</b>	<b>Data Management, Standards &amp; Analytics</b>	<b>Digital Transformation</b> <i>(Sponsored showcase speaking slots available)</i>	<b>Artificial Intelligence, Machine &amp; Deep Learning</b>	<b>Connectivity &amp; Collaboration</b>	<b>Training, Development &amp; Change Management</b>	<b>Sustainability</b>
	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>	<b>Chair:</b>

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapiinn.com](mailto:Ellie.whitehead@terrapiinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapiinn.com](mailto:Shilpa.suthar@terrapiinn.com)

<https://www.terrapiinn.com/futurelabslive>

	lab automation eco system	Data standards	Tech showcase-launching and developing products	AI use cases	Cross institute partnering	Change Management	Green initiatives
14.15	International health networks in the lab automation eco system <b>Jamin Bouras</b> , Project Director, <b>BioLAGO</b>	Higher level ontologies and classifications for standardised data recording	Showcase 1:	Demonstrate the powerful benefits delivered through exploring cutting edge technologies and applied AI	Ecosystem-approaches in the industry <b>Alexander Böser</b> , Senior Ecosystem Manager, 5-HT Digital Hub Chemistry & Health	Change management Presentation 3 <b>Amruta Iyer</b> , Change and Communications Manager, <b>Roche</b> * TBC	Increasing your lab sustainability with green initiatives <i>Reserved</i>
14.30	Sharing projects and achievements * TBC title <b>Ádám Wolf</b> , Robotics Working Group Lead & Member of the Board of Directors, <b>SILA</b>		Showcase 2:				
14.45	Sharing projects and achievements * TBC title <i>Reserved: Tracebot</i>	Accessibility of our data flow <i>Reserved</i>	Showcase 3:	Panel organised in collaboration with ELRIG UK *Details TBC Moderator: <b>Christian Parker</b> , Lab Head, <b>Novartis</b>	Utilising a co-funding model develop a bespoke solution and in turn a commercially available product * Title TBC <i>Reserved: Ellen Piercy, Automation Lead Engineer, Unilever</i>	Change management Presentation 3	Making science greener: Researcher perspectives & solutions <b>Deirdre Black</b> , Head of Science, Sustainability Strategy Lead, <b>The Royal Society of Chemistry</b>
			Showcase 4:				
15.15	Lowering entry barriers for new users and raising the ceiling of productivity for experts <i>Reserved</i>	Reinforcing data standards with funding incentives	Showcase 5:		Case study of collaboration in academia and industry– Inacube Challenge <b>Joni Rakipi</b> , Director, <b>ETH Zurich Entrepreneur Club</b>	Interactive discussion	Assessing your lab consumption
			Showcase 6:				
15.45	Break						

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapiinn.com](mailto:Ellie.whitehead@terrapiinn.com)

For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapiinn.com](mailto:Shilpa.suthar@terrapiinn.com)

<https://www.terrapiinn.com/futurelabslive>

15.45	Break
16.00	<p><b>Closing Keynote panel: Maintaining digital lab innovation in Europe – How can we stay ahead of the curb?</b></p> <ul style="list-style-type: none"> <li>• What are the priorities for R&amp;D lab innovation? – leadership, skill base, collaboration</li> <li>• How can the uptake of digitalisation provide Europe with a competitive advantage?</li> <li>• How to continue to attract companies to invest in Europe?</li> <li>• Where is/should funding be allocated to accelerate lab innovation?</li> </ul> <p><b>Bernd Liepert, President, Eu Robotics</b>  <b>Zisis Kozlakidis, Head, Laboratory Services and Biobanking, IARC/WHO</b>  <i>Invited: Evelyne Pflug, CEO, co-Founder, The Singularity Group AG</i>  <i>Invited: Yulia Barabanova, Policy Analyst at the EU Policy Lab: Foresight, Design &amp; Behavioural Insights, European Commission</i>  <i>Invited: James Eshelby, Vice President &amp; Head of Pfizer Global Public Private Partnerships, Pfizer - IHI innovative health initiative</i>  <i>Invited: Angelika Kalt, Director, Swiss National Science Foundation</i></p>
17.00	Close of day 2 – End of conference

For speaking opportunities, partnerships and general enquires contact: [Ellie.whitehead@terrapinn.com](mailto:Ellie.whitehead@terrapinn.com)  
For sponsoring & exhibiting opportunities contact: [Shilpa.suthar@terrapinn.com](mailto:Shilpa.suthar@terrapinn.com)

<https://www.terrapinn.com/futurelabslive>



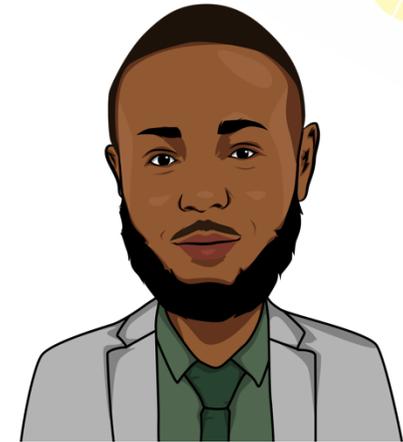
## Contact details:



Contact Ellie Whitehead for general,  
speaking and partnering enquires:  
[Ellie.whitehead@terrapinn.com](mailto:Ellie.whitehead@terrapinn.com)



Contact Shilpa Suthar for sponsor and  
exhibiting enquires:  
[Shilpa.suthar@terrapinn.com](mailto:Shilpa.suthar@terrapinn.com)



Contact David Toikumo for start-up  
enquires:  
[David.toikumo@terrapinn.com](mailto:David.toikumo@terrapinn.com)