ISPE Belgium Affiliate

Lifescience Going Digital

Virtual Seminar

Life broadcasting from the imec location

When *Tuesday 10 November 2020*
From 9h45 to 12h30

Location *Virtual seminar*

Lifescience Going Digital

Agenda

9:45 – 10:00	Welcome *(Peter Janssen, President ISPE Belgium Affiliate)* *(Bart Van Acker, Vice-President ISPE Belgium Affiliate)* *(Bernard De Groeve, Director imec, Strategic Clients & Partners, Belgium)*
10:00 – 10:25	Keynote speech : Enabling healthcare innovations through nanotechnology *(Peter Peumans, CTO Health, imec)*
10:25 – 10:50	Driving digital transformation in pharma through analytics, collaboration and simulation *(Andrew Whytock, Head of Digitalization, Pharma Segment, Siemens)*
10:50 – 11:15	Digital twin for biotech process *(Sandrine Dessoy, Senior manager, GSK Vaccines)*
11:15 – 11:40	Gamechangers in a 'new world': the Digital Supply Chain Twin *(Trevor Miles , Bluecrux)*
11:40 - 12:05	Real world evidence at scale *(Dries Hens, MD, CBDO LynxCare)*
12:05 - 12:30	Robotic intradermal vaccination *(Koen Beyers, Voxdale - Founder)*

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Abstracts

KEYNOTE - Enabling healthcare innovations through nanotechnology

(Peter Peumans)

Driving digital transformation in pharma through analytics, collaboration and simulation

(Andrew Whytock)

The Pharma Industry is at a pivotal point. Advances in technology and innovation are driving exponential change in the pharmaceutical industry, from R&D to manufacturing and to new ways of interacting with patients. Changing pipelines, personalized medicine and in-silico testing are new trends that are dominating pharma manufacturing today. This presentation will give an insight of how companies are transforming, provide background to these trends and show concrete examples of some innovative projects in the industry.

Digital twin for biotech process

(Sandrine Dessoy)

A digital twin is “a real time digital replica of a physical device”, i.e. it is a digital informational construct of a real physical system that constitutes an entity of its own. A digital twin aims to mirror the life of its corresponding physical asset and utilizes state-of-the-art physical and/or hybrid models, advanced sensors and the Internet of Things, and Machine Learning & Artificial Intelligence (AI) to do so. This talk is concerned with one of the first-ever digital twins built for vaccine production process.

Gamechangers in a ‘new world’: the Digital Supply Chain Twin

(Trevor Miles)

In order to safeguard their patient promise in today’s environment, Life Sciences companies need to build resilience into their supply chains. And drastically improve end-to-end visibility and orchestration. A digital twin enables this and is at the heart of any digital supply chain effort. It allows proactive, better and faster decision making by being in lockstep with the real-world.

Real world evidence at scale

(Dries Hens)

What is the indication split for our next generation immuno-oncology product? How can we assess the feasibility and improve the design of our randomized controlled trials? 80% of hospital data isn't accessible to life sciences to answer these "complex" clinical questions. Therefore, LynxCare developed an AI-powered clinical data platform.
Our platform mines structured and unstructured hospital data to improve patient outcomes and make Real-World Data accessible for Life Sciences research.
By increasing the amount of precise and workable hospital data, finding the answer to the above questions is a matter of clicks, not years.

Robotic intradermal vaccination

(Koen Beyers)

With COVID-19 vaccines in development and being evaluated in clinical trials, ROB-ID – an automated intradermal delivery robot - aims to meet vaccine shortages, increase vaccination coverage, and trigger Dose Sparing effects.
Within a time frame of less than a minute, the autonomous system – developed with Voxdale - will administer a vaccine painlessly, while unloading healthcare professionals, with respect for physical distancing.

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Who should attend?

All stakeholders responsible for:

- Research & Development
- Clinical trials manufacturing and scale up
- Manufacturing & Quality Control
- Technology & Engineering & Automation
- Logistics & Distribution
- Supply Chain
- Regulatory, validation, QA & GMP

and active in:

- Pharmaceuticals
- Biopharmaceuticals
- Biologics
- API
- And related Life Science industries…

Registration

- Open for ISPE Members or Non-ISPE Members
- Registration required (before 6 November) via website : https://www.ispe2020seminar.be
- Price :
  - 150 € (for ISPE member)
  - 75 € (for ISPE member – Young Professional (*age under 30*))
  - 400 € (for Non ISPE Member, including 1 year membership)
  - 295 € (for Non ISPE member – Young Professional (*age under 30)*, including 1 year membership)
- See registration website for payment details.

Contact : info@ispe2020seminar.be

- ISPE reserves the right to delay the meeting and modify the program and the place, in case of force majeure.
- Any cancellation received later than one week before the event will not be credited.

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