

Conference Registration (12-13 Nov 2019)

Registration Fees

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|---------------------|--------|
| Member | USD599 |
| Non-member | USD799 |
| Government | USD399 |
| Student | USD399 |
| Young Professionals | USD399 |

Training Seminars Registration (14th Nov – 15th Nov)

Extractables and Leachables For Parenteral Applications

Trainer: Piet Christiaens | Nelson Labs NV

Drug Delivery Device and Combination Product Risk Management and Safety Assurance Cases

Trainer: Fubin Wu | GessNet

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| Member | USD899 |
| Non-member | USD899 |
| Government | USD899 |
| Health Authorities | USD899 |
| Academic | USD899 |

Contacts

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Exhibitors



2019 PDA TAIWAN CONFERENCE Drug Delivery of Injectables

Impact of Digitalization on Pharmaceuticals, Manufacturing and Patient Care

12 NOVEMBER – 13 NOVEMBER

GRAND VICTORIA HOTEL | TAIPEI CITY, TAIWAN



DAY 1 ~ Tuesday, 12 November 2019

08:00 - 18:00 **Registration Open**

09:00 - 09:30 **Opening Remarks**

Herbert Chung-Hsiun Wu, PhD, Co-Chair, BPIPO

Markus Bauss, Co-Chair, SHL Connect

09:30 - 10:30 **P1: Opening Plenary**

This session highlights digitalization developments in pharmaceutical manufacturing and personalized patient care.

Moderator: Georg Roessling, PhD, Senior Consultant, Business Development Asia, PDA

09:30 **Future of packaging materials – reduce your footprint on the environment** **Yves Steffen**, Novartis

10:00 **Revolutionizing Personalized Patient Care through Digital Therapeutics: An Industry Perspective** **Ed Deng**, Co-Founder and CEO,

10:30 - 11:00 **Refreshment Break in Exhibit Area**

11:00 - 12:30 **P2: From Primary Packaging to Devices**

The role and importance of primary packaging and drug delivery devices now and the trends for the future.

Moderator: Robin Hwang, CEO and President, ICP Consulting Corp.

11:00 **A CDMO perspective on modern drug delivery: The journey from Drug Substance to Drug Product** **Thomas Schoenkecht**, Lonza

11:30 **Micropump device for continuous subcutaneous administration of drug formulations** **Robert Kriftner**, Sensile Medical

12:00 **Digital Design - a look at the future transformation of device design** **Ron Forster**, Amgen

12:30 - 13:30 **Networking Luncheon**

13:30 - 15:00 **Concurrent Tracks**

Track A1: Manufacturing: Modern concepts for facility and filling operations

The manufacturing environment and the machines are essential for the manufacturing of pharmaceutical products. This session gives examples of the best current practices.

Moderator: Georg Roessling, PhD, Senior Consultant, Business Development Asia, PDA

13:30 **Modern Pharmaceutical Manufacturing Site**

Speaker from **EirGenix**

14:00 **Small Batch Production Filling Line**

Matthias Angelmaier, Bosch Packaging

14:30 **Smart Medical Device: Connected Health**

- **Manufacturing perspective**

Alexander Mayer & Christian Kollecker, Hoefliger

Track B1: Devices: Increase Product Value

In this session, new developments in injection devices are presented and the value of modern injection systems for improved patient acceptance is described.

Moderator: Markus Bauss, Managing Director, SHL Connect

13:30 **Drug Delivery meets Automotive – Device Platform Design**

Thomas Mayer, Sonceboz

14:00 **Differentiating Drug Values in Market by Injection Devices**

Edgar Yeh, CC Bio

14:30 **Possible Improvements of Current PFS Safety Injection of Flu Vaccines**

Lee Lin Lee, MedicalChain International Corp.

15:00 - 15:30 **Refreshment Break in Exhibit Area**

15:30 - 18:00 **Concurrent Tracks**

Track A2: Digital Manufacturing

In this session the concept of digitalization in production is presented. Impact on process control, documentation, overall efficiency and product quality is discussed.

Moderator: Georg Roessling, PhD, Senior Consultant, Business Development Asia, PDA

15:30 **Process Modeling and Digital Twins in Biologics Manufacturing**

Sei Murakami, Hitachi

16:00 **Digital Manufacturing increasing Production Efficiency while**

increasing Product Quality **Matsumoto Mamoru**, Hitachi

16:45 **IIoT Enables Pharmaceutical Safety by Realtime Cold Chain**

Management **David Yang**, Advantech

17:15 **Panel Discussion on Digital Manufacturing**

- What are the elements for the digital manufacturing environment?

- Simulation and virtual reality

- Sensors and data collection

- Data processing/trend analysis

- The benefits

Track B2: Devices with Connectivity

This session describes the change from devices to connected devices and what the advantages for patients in home care can be.

Moderator: Markus Bauss, Managing Director, SHL Connect

15:30 **Driving better Patient Outcome with Connectivity**

Adam Shain, Aptar Pharma

16:00 **Design, development and value proposition of Connected Drug**

Delivery Technology **Christian Keller & Chelsea Williams**, SHL

16:30 **Successful implementation of connected drug delivery devices:**

Lessons learned from Diabetes **Arnaud Guillet**, Biocorp

17:00 **The Benefits of Aerosol Drug Delivery Device and its Digitalization**

Jackie Tieng, MicroBase

17:30 **Questions & Answers/Discussion**

18:00 - 19:30

Networking Reception

DAY 2 ~ Wednesday, 13 November 2019

08:30 - 17:30 **Registration Open**

09:00 - 10:15 **Concurrent Tracks**

Track A3: Manufacturing/Technology: Role of Primary Packaging Components and Device/Track and Trace/Assembly

This session shows how primary packaging components can interact with the filling machines, document the process and ensure total quality control

Moderator: Wayne Wu, President, PDA Taiwan Chapter

9:00 **Unique identification of glass containers throughout the manufacturing process: the benefits of glass marking during the automatic inspection of filled containers**

Andrea Sardella, Stevanato-Group

9:30 **Enhancing Patient Safety and Product Quality through Technology and Digitalization**

Kwang Kok Li, West Pharma

10:00 **Questions & Answers/Discussion**

10:15 - 10:45 **Refreshment Break in Exhibit Area**

10:45 - 12:30 **Concurrent Tracks**

Track A4: Manufacturing/Technology

The final step of manufacturing a drug delivery device is the assembly of the primary packaging with the device. This is a crucial step and it only is successful in terms of quality if clear specification for the primary packaging components and the filling have been considered. This session describes the testing and manufacturing steps which are necessary.

Moderator: Wayne Wu, President, PDA Taiwan Chapter

10:45 **Container Integrity Testing** **Heinz Wolf**, PTI Packaging Technologies

11:15 **Qualification of test methods: Leak Simulation and Flow Test**

Henry Lu, Optek

11:45 **Optimization of material and process flow for production of auto injector sub-assemblies**

Gilbert Fluetsch & Lucy Chung, SHL

12:15 **Questions & Answers/Discussion**

12:30 - 13:30 **Networking Luncheon**

13:30 - 15:30 P3: Digital Health

Healthcare costs are increasing, and people look for ways to reduce costs by integrating digital health technologies into current healthcare infrastructure. This session gives a broader and global perspective of digital health. Highlighting efforts of governments but also showing opportunities for the healthcare systems and advantages for patients.

Moderator: Ed Deng, Co-Founder & CEO, Health2Sync

13:30 **How do governments worldwide promote digital health?** **Lily Wong**, PwC Taiwan

14:00 **Investing in digital health: global perspective, local implications** **Joseph Mocanu**, Verge HealthTech Fund

14:30 **US regulatory perspectives of connective devices** **Lening Shen & Lana Shiu**, Amgen

15:00 **How Mobile Technologies are Transforming Healthcare?** **Jessy Kang**, Smart Ageing Tech

15:30 - 16:00 **Refreshment Break in Exhibit Area**

16:00 - 17:30 P4: Panel discussion: Future of Drug Delivery and Digitalization in Health Care in Asia

In many Asian countries, the patients still receive their injectables from healthcare professionals and the home care treatment does not yet play a significant role. But healthcare costs and improved patient care will lead to developments where patients receive user friendly application systems, like autoinjectors, pens and wearables. In addition, concepts of microelectronics and digitalization in combination with the pharmaceutical product will play a role. There will be opportunities to directly receive data from the patient and have a direct access to therapy and diagnostic data from the patient. Actually, the technologies by itself are there and the potential advantages for patient management and health care costs are given or at least can be estimated. This panel discussion wants to address the dynamic of this process and the implications on patient and healthcare system. What are the real advantages? What is the impact on the health care system? What will be the drivers? What will be the situation be in 10-30 years from today?

Moderator: Herbert Chung-Hsiun Wu, Co-Chair; **Markus Bauss**, Co-Chair; **Marc Rohrschneider**

Panelists:

- **Ron Forster**, Amgen

- **Arnaud Guillet**, Biocorp

- **Anthony Jones**, Sanofi

- **Joseph Mocanu**, Verge Health TechFund

- **Lana Shiu**, Amgen

- **Lily Wong**, PwC Taiwan

17:30 **Closing Remarks** **Georg Roessling**, PhD, Senior Consultant, Business Development Asia, PDA

Track B3: Digital Health Applications enabling Personalized Patient Care

Connected devices help patients better manage their own health and care at home, which also contributes to better adherence. This session gives examples how this can be used for monitoring and diagnostic purposes but also how the internet of things can contribute for data exchange between patients at home and healthcare providers.

Moderator: Chi-Feng Chang, PhD, Deputy Director, BPIPO

09:00 **Digital Mobile Diagnostic Devices facilitating Self-Management of Health and Diseases**

Alan Tsai, iXensor

09:30 **Medical IOT leading to Patient-Centric Services**

Jerry Hsu, Asus Life

10:00 **Questions & Answers/Discussion**

Track B4: Special Device Applications

This session has presentations which deal with special topics. One is about handling of highly potent drugs and the other presentation covers the whole development process of a syringe for ophthalmic use. The very challenging quality requirements and their technical implementation are described. The session ends with a regulatory related topic addressing essential performance requirements and control strategy for combination products.

Moderator: Shih-Chong Tsai, PhD, Executive Director, Institute of Biologics, Development Center for Biotechnology

10:45 **Close System Transfer Device (CSTD) use with oncology drugs and biologics** **Lana Shiu**, Amgen

11:15 **Visisure® from concept to approval: A low volume high accuracy syringe** **Marc Rohrschneider**, Novartis

11:45 **Essential Performance Requirements and the Control Strategy for Combination Product (PFS) from Design to Manufacture**

Shu-Chen Chen, Genentech

12:15 **Questions & Answers/Discussion**