

From: Lisa Taylor <pharma@smiconferences.co.uk>
To: Kester, Tonykester@aging.sc.gov
Date: 6/13/2016 6:20:43 AM
Subject: Practical Tips on Optimising Your Freeze Drying Process

Big Pharma Gathers in Just 3 Weeks at Lyophilisation Europe 2016

3 WEEKS TO GO

Lyophilisation Europe

SMi's 4th Annual Conference: 4th - 5th July | Interactive Workshop: 6th July
Holiday Inn Kensington Forum, London, UK
www.lyophilisation-europe.com

REGISTER TODAY

Dear Mr Tony Kester,

Now at the forefront of capturing the latest developments and innovations in pharmaceutical freeze-drying, SMi Groups [Lyophilisation Europe 2016](http://www.lyophilisation-europe.com) event returns to London, UK, in just **3 week's time**. The 4th annual show will gather senior industry experts to delve deeper into the core issues surrounding **QbD principles, scale up, optimisation, PAT tools, drug formulation**, plus much more.

Registration closing soon – download the latest brochure and secure your place today at www.lyophilisation-europe.com

Key sessions at Lyophilisation Europe include:

Day 1 opening keynote from **GSK Vaccines** on the application of QbD principles presented by Emanuele Tomba, Scientist. The address will provide exclusive insight into combination vaccines as well as provide guidance into assessment and manufacturing control strategy.

Day 2 opening keynote from **Novo Nordisk A/S** on spray drying processes and formulation development presented by Sune Andersen, Principal Scientist. The talk will benchmark lyophilisation with spray drying and highlight critical product quality attributes across scales.

Lyophilisation Europe also promises to deliver:

Cutting-edge developments highlighting new technology and model based design: Hear big pharma, industry and

Sune Andersen
Principal Scientist Drying
Processes, **Novo Nordisk**

Patrick Garidel
Head Of Pharmaceutical
Basic Development
Boehringer Ingelheim

Mostafa Nakach
Head Of Pharmaceutical

academia, address current questions on modern approaches to freeze drying, developments in PAT, and the spray drying of nano particles.

Case studies on material flow and combination vaccines: Join the debate on the challenges of optimising filling processes with case studies on material flow and hear more on combination vaccines and process parameters.

Interactive Workshop: Taking place on **6th July**, the interactive workshop hosted by the **NIBSC** and **Biopharma Process Systems**, will provide hands on training in the design and scale up of a freeze drying process. Extend your stay to join us at the post conference workshop for practical tips on the fundamentals of lyo cycle development.

Contact us today to arrange a package to attend all 3 days.

[VIEW BROCHURE](#)

Engineering Group, **Sanofi-Aventis R&D**

Paul Matejtschuk
Principal Scientist, **NIBSC**

Andrea Weiland
Pharmacist, Ph.D.
Managing Director,
Explicat Pharma

Erwan Bourles
Freeze Dryer Scientist, **GSK**

Emanuele Tomba
Scientist, **GSK Vaccines**

[SEE THE FULL LINE-UP](#)

How do I register?

ONLINE: Visit www.lyophilisation-europe.com

SPONSORSHIP INFORMATION:

For tailored sponsorship and branding packages, contact Alia Mallick on: +44 (0) 207 827 6168 or email amalick@smi-online.co.uk

DELEGATE ENQUIRIES:

For group bookings and special pharma rates, contact Fateja Begum on: +44 (0) 20 7827 6184 or email fbegum@smi-online.co.uk

Register online at: www.lyophilisation-europe.com

You are registered as: kester@aging.sc.gov Your Unique Reference Number: 92804565
To update your contact preferences please go to <http://www.smi-online.co.uk/update-preferences>