

From: Emma Rosser <pharma@smiconferences.co.uk>
To: Kester, Tonykester@aging.sc.gov
Date: 3/16/2016 5:33:16 AM
Subject: Official Invitation to Attend Lyophilisation Europe | Join GSK, Boehringer Ingelheim, Sanofi and Novo Nordisk

£400 earlybird expires 31st March

4th Annual Conference: Lyophilisation Europe
Holiday Inn Kensington Forum, London UK

Conference: 4th & 5th July 2016
Interactive Workshop: 6th July 2016

REGISTER

[Download Brochure](#)

NEW SPEAKER ANNOUNCED: SMI are thrilled to welcome Pierre Lebrun, Senior Principal Statistician and Project Leader from **Arlenda**, onto the agenda for 2016

ATTENDEE UPDATE: **GSK** and **Fresenius Kabi Austria GmbH** have just confirmed their places. Secure yours by **31st March to save £400** at www.lyophilisation-europe.com

Dear Mr Tony Kester,

You should have received the brochure for **Lyophilisation Europe** and our official invitation to attend through the post. If you haven't seen the programme, please scroll down for event highlights or [click here](#) to download the latest agenda for 2016.

ABOUT THE EVENT:

Bringing in voices from some of the most senior industry thought leaders in lyophilisation and pharmaceutical freeze drying such as **GSK Vaccines, Sanofi, Novo Nordisk** and **Boehringer Ingelheim**, SMI's 4th annual **Lyophilisation Europe** conference returns to London this July, providing a perfect platform for the industry to discuss pioneering technological developments and address the latest updates in manufacturing and drug formulation.

Day 1 will address topics on robust design with a focus on QbD and process analytical technology (PAT), scale up of nano particles, and vaccine formulations; while **Day 2** explores optimal freeze drying parameters, concentrated biologics, and high potent injectables. [Click here](#) for details.

BENEFITS OF ATTENDING:

- Control the impact of **process variables** and managing risk

- Ensure product quality and compliance through **regulatory guidance**
- Optimise spray drying process and formulation development for **complex dosage forms**
- Integrate risk-based approaches into **QbD principles**
- Hear cutting edge advancements on **PAT tools** to optimise parameters for scale-up

GET INVOLVED:

- **How to Register: £400 earlybird expires this month!**
Visit www.lyophilisation-europe.com
- SMI Group offer direct access to key decision makers through tailored **sponsorship** and exhibition packages. For details contact Alia Malick on +44 (0)20 7827 6168 or email amalick@smi-online.co.uk
- For **delegate enquiries** contact Fateja Begum on +44 (0)20 7827 6184 or email fbegum@smi-online.co.uk

EVENT HIGHLIGHTS | [Download](#) the brochure for a detailed agenda

Day One - 4th July 2016	Day Two - 5th July 2016
8.30 Registration & Coffee	8.30 Registration & Coffee
9.00 Chairman's Opening Remarks Sune Andersen , Principal Scientist Drying Processes, Novo Nordisk A / S	9.00 Chairman's Opening Remarks Sune Andersen , Principal Scientist Drying Processes, Novo Nordisk A / S
9.10 Application of QbD principles to design lyophilisation process robustness studies in support tech transfer of a freeze-dried vaccine component Daniela Stranges , Senior Scientist, GSK	9.10 Challenges in spray drying process and formulation development Sune Andersen , Principal Scientist Drying Processes, Novo Nordisk A / S
9.50 Constructing a robust design space based on product and process limitations Kevin Ward , Director of R&D , BioPharma Technology	9.50 ATEX regulation applied to a manufacturing workshop of high potent injectables Franck Pavan , Outsourcing Business Manager, Pierre Fabre
10.30 Morning Coffee	10.30 Morning Coffee
11.00 Sponsor session: Process scale up of nanoparticles	11.00 Sponsor session: Establishing the correct safety margins to prevent temperature collapse
11.40 Freeze-drying protein and vaccine formulations Paul Matejtschuk , Principal Scientist, NIBSC	11.40 On the use of PAT tools and statistical analysis to determine optimal freeze drying cycle parameters for scale-up Erwan Bourles , Freeze dryer scientist, GSK
12.20 Networking Lunch	12.20 Networking Lunch
1.30 Through vial impedance spectroscopy : A process analytical technology (PAT) to develop a rational lyophilization cycle Geoff Smith , Professor of Pharmaceutical Process Analytical Technology , De Montfort University	1.30 Panel discussion: Challenges of optimising filling processes and maintaining freeze dryers Erwan Bourles , Freeze dryer scientist, GSK
2.10 Optimisation of industrial freeze drying cycle - Two case studies Mostafa Nakach , Head of Pharmaceutical Engineering Group, Sanofi-Aventis R&D	2.10 Freeze-Drying of highly concentrated biologics at specific formulation conditions Patrick Garidel , Head of Pharmaceutical Basic Development, Boehringer Ingelheim
2.50 Afternoon Tea	2.50 Afternoon Tea
3.20 Continuous freeze drying of (Bio-) pharmaceuticals Jos Corver , Founder, RheaVita BV	3.20 Modern process of lyophilisation Andrea Weiland , Pharmacist, Ph.D. Managing Director, Explicat Pharma GmbH
4.00 How to Forecast and Predict? Pierre Lebrun , Senior Principal Statistician - Project Leader, Arlenda	4.00 Uncertainty and global sensitivity analysis (GSA) for the (dynamic) design space determination of a traditional and continuous freeze-drying process Thomas De Beer , Professor and Head of PAT, University Of Ghent
4.40 Panel discussion: Designing formulations for lyophilized products Jos Corver , Founder, RheaVita BV	4.40 Chairman's Closing Remarks and Close of Day Two
5.20 Chairman's Closing Remarks and Close of Day One	

[Download the brochure](#)

INTERACTIVE WORKSHOP:

Extend your stay to attend the interactive workshop taking place on 6th July.

Design and Scale up of a Freeze Drying Process | 08.30 – 12.30

Hosted by Paul Matejtschuk, Principal Scientist and Section Head, **NIBSC**; and Kevin Ward, Director of R&D, **Biopharma Process Systems Ltd**

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

OTHER EVENTS OF INTEREST:

2nd Annual Conference: Lyophilization USA

27 - 28 April, Iselin, New Jersey, USA

www.lyophilization-usa.com

Register online at www.lyophilisation-europe.com

You are registered as: kester@aging.sc.gov/ Your unique contact code is: 92804565 (P-177 EM - PM 92804565)

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