

**From:** Ryan Lane <pharma@smiconferences.co.uk>  
**To:** Kester, Tonykester@aging.sc.gov  
**Date:** 4/26/2016 7:30:57 AM  
**Subject:** A Spotlight on PAT: 4 Critical Updates by GSK, Explicat Pharma, De Montfort University and RheaVita BV

---

The Only Event Dedicated to Bringing you Cost Efficient Freeze Drying Strategies  
Without Compromising Your Drug Quality

## Lyophilisation Europe 2016

[Website](#) | [View Brochure](#) | [Get in Touch](#)

4th Annual Conference: **4th & 5th July** | Interactive Workshop: **6th July**  
Holiday Inn Kensington Forum, London UK  
[www.lyophilisation-europe.com](http://www.lyophilisation-europe.com)

**Last chance to save £200** | [Register here >>](#)

---

## A Spotlight on PAT: 4 Critical Updates by GSK, Explicat Pharma, De Montfort University and RheaVita BV

Dear Mr Tony Kester,

As well as being supported by leading scientific experts in the area of drug formulation and featuring an international panel of senior freeze drying experts and drug manufacturers, [Lyophilisation Europe 2016](#) will include a dedicated spotlight on the latest in **Process Analytical Technology (PAT)** with *FOUR* exclusive presentations and a panel debate on evolving key developments.

1. **The Use Of Pat Tools And Statistical Analysis To Determine Optimal Freeze Drying Cycle Parameters For Scale-Up**

**Erwan Bourles**, Freeze Dryer Scientist, **GSK**

Select accurate process parameters to preserve product from collapse as GSK unveil: how to analyse surface response to create a process acceptable range for the selected freeze drying cycle; how to validate acceptable ranges with experimental trials using PAT tools.

2. **Modern Process Of Lyophilisation**

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

Learn how to modernise your process through evaluating current lyophilisation processes and receiving progressive updates into real time PAT control.

3. **Through Vial Impedance Spectroscopy : A PAT To Develop A Rational Lyophilization Cycle**

**Geoff Smith**, Professor of Pharmaceutical Process Analytical Technology , **De Montfort University**

Discover how to overlap PAT from single vial to batch monitoring and address key questions with our scientific expert: What are the challenges inherent to the pre-formulation and phases transitions during lyophilisations? What should be classed as critical process parameters? What happens on microscale-down and scale up?

4. **Continuous Freeze Drying Of (Bio-) Pharmaceuticals**

**Jos Corver**, Founder, **RheaVita BV**

Discover the latest developments in PAT with a focus on continuous freeze drying and overcoming common obstacles.

This is just a snapshot of what will be covered on the packed programme for 2016. Take a

look at the detailed [agenda](#) for further presentations from **GSK Vaccines, NIBSC, Sanofi, Novo Nordisk, Boehringer Ingelheim** and more.

## GET INVOLVED

### HOW TO REGISTER:

**EARLYBIRD ENDS FRIDAY: REGISTER ONLINE TO SAVE £200**

### SPONSORSHIP INFORMATION:

For details on tailored sponsorship packages, contact Alia Malick on:  
+44 (0) 207 827 6168 or email [amalick@smi-online.co.uk](mailto:amalick@smi-online.co.uk)

### DELEGATE INFORMATION:

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

### PLUS INTERACTIVE WORKSHOP:

08.30 – 12.30, July 6th 2016

Get hands on training through an interactive session on **the design and scale up of a freeze drying process**, hosted by Paul Matejtschuk, Principal Scientist and Section Head, **NIBSC**; and Kevin Ward, Director of R&D, **Biopharma Process Systems Ltd**.

**Contact us** today and arrange a package to attend all 3 days!

Register online at [www.lyophilisation-europe.com](http://www.lyophilisation-europe.com)

You are registered as: [kester@aging.sc.gov](mailto: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>