

Workshop - PAT in Pharmaceutical Processing

Programme – Wednesday June 10th
University of Limerick
Roche Ireland Clarcastle

8.00 Coffee / Scones
8.15 Introduction & Welcome
Prof Kieran Hodnett
Scientific Director, SSPC
Dr Patrick Frawley UL

8.30 From Fumehood to Factory: the application of PAT in end to end continuous flow processes at GSK
Dr Peter Hamilton GSK

9.00 Delivering business value through the application of PAT in API manufacture
Dr Adrian Daly Pfizer

9.30 Characterization of Particles using Raman and FBRM Technology
Mr Carlos Orihuela Abbvie USA

10.00 Tea/Coffee Break

10.30 In-line process monitoring of coating processes- terahertz imaging and OCT
Dr Axel Zeitler University of Cambridge

11.00 Use of on-line LC for monitoring of continuous processes – Do's and Don'ts
Dr Paul Desmond Eli Lilly

11.30 Infrared and refractive index: valuable tools to deliver a fingerprint from lab towards pilot
Dr Koen de Smet Janssen Belgium

12.00 Approaches for data interpretation. Consequences of correct/incorrect data interpretation
Prof Gary Montague Teeside University UK

12.30 Integrated & sustainable PAT at Roche Clarecastle
Dr John O Reilly Roche

13.00 Lunch

13.45 Travel to Roche

17.00 Close & travel to hotel

Day 1 Workshops (Roche)

14.45 Workshop 1
PAT Integration & Control

Chaired by: **Dr Mark Barrett APC**
Dr Conor Collins GSK
Mr Phil Doherty Process Analytics

15.45 Workshop 2
Lab scale up and manufacturing

Chaired by: **Prof Gavin Walker UL**
Dr Andrew Whitehead GSK
Dr Humphrey Moynihan Eli Lilly

17.00 Close & travel to hotel

19.30 Dinner – 7.30pm Savoy Hotel Limerick

Pre Dinner Speech:
A Regulatory Perspective
Dr Kevin O Donnell HPR

*Special accommodation rates have been negotiated for delegates at the Savoy Hotel: +353 61 448700
www.savoylimerick.com
Clarion Hotel: +353 61 444100
www.clarionhotellimerick.com

Programme – Thursday June 11th
University of Limerick

9.00 Introduction & Welcome
Prof Gavin Walker UL

9.15 Title of Presentation
Dr Gillian Miller Pfizer

09.45 Process analytical and model based controlled continuous manufacturing of solid dosage forms based on twin-screw granulation
Dr Thomas De Beer Ghent University

10.15 A case study of Industrial Internet in Direct Compression Process in Continuous Pharmaceutical Manufacturing: Results and Opportunities
Dr Pekka Teppola VTT Finland

10.45 Tea/Coffee Break

11.15 PharmaMV PAT, APC and Optimisation Platform. Application case studies.
John Mack Perceptive Eng UK

11.45 Use of mass spectrometry in a production plant as a monitoring tool to optimize drying processes
Dr Dennis Van Gool Janssen Belgium

12.15 Monitoring Bi-layer tablet assay by reflectance NIR
Dr Licinia Rodrigues MSD

12.45 PAT as part of an integrated strategy for batch and continuous process design and scale-up
Prof Brian Glennon APC

13.15 Lunch & Poster Session

Day 2 Workshops (UL)

14.15 Workshop 3
Getting the most from your Data

Chaired by: **Dr Tom O Ceallaigh MSD**
Dr Abina Crean UCC
Mr. Luke Kiernan Innopharma Labs

15.15 Workshop 4
PAT Strategy through product life cycle

Chaired by: **Dr Chris Edlin PMTC**
Dr Michael Napier Janssen
Dr Denise Croker UL

16.15 Feedback and wrap up session

Chaired by: **Mr Jon O'Halloran SSPC**

17.00 Close

Process Analytical Technology



Making Ireland a
Global Hub for
Process Innovation
& Advanced
Manufacturing in
the Pharmaceutical
Industry

June 10th & 11th 2015
• University of Limerick
• Roche Ireland,
Clarecastle, Co Clare

Workshop Registration Fee: €300
To Register : please contact
Rosaleen.Archbold@ul.ie

Sponsors:



Hosted by:



Date: June 10th & 11th 2015

Venue:

- University of Limerick
- Site visit to Roche Ireland Ltd, Clarecastle, Co. Clare

Workshop Registration Fee: €300

To Register : Please contact:
Rosaleen.Archbold@ul.ie

Key Speakers:

- **Dr Axel Zeitler**
University of Cambridge
- **Prof Brian Glennon**
APC
- **Dr Pekka Teppola**
VTT Finland
- **Dr Thomas De Beer**
Ghent University
- **Dr Paul Desmond**
Eli Lilly
- **Dr Peter Hamilton**
GSK
- **Dr Adrian Daly**
Pfizer
- **Dr Licinia Rodrigues**
MSD
- **Dr John O Reilly**
Roche
- **Mr Carlos Orihuela**
Abbvie USA
- **Prof Gary Montague**
Teeside University
- **Dr Koen de Smet**
Janssen Belgium
- **Dr Dennis Van Gool**
Janssen Belgium
- **Dr Gillian Miller**
Pfizer
- **Mr John Mack**
Perceptive Engineering UK
- **Dr Kevin O'Donnell**
Regulatory Authority

PAT in Pharmaceutical Batch & Continuous Processing Workshop

The workshop will cover case studies in the use of PAT in real industrial API and solid dosage pharmaceutical applications

