

SEMINAR

Process Analytical Technologies (PAT):

**Regulatory requirements,
new applications
and applied technologies**

**A breakthrough for understanding, monitoring,
inspecting, and releasing chemicals,
pharmaceuticals and biologicals in real time**

FLORENCE

16th April 2024 @9.00 AM

Grand Hotel Baglioni «Giotto» meeting room

SCIENTIFIC ARGUMENTS

Guidelines and Regulatory for PAT implementation

Pharmaceuticals: chemical manufacturing, formulation, final product

Continuous manufacturing and Real Time Release

100% in line Inspection

Biotech: USP/DSP filling and finishing

Caracterization of biologicals (protein, plasmids, mAb)

AGENDA & REGISTRATION

08:45 - 09:30 [Registration and Welcome Coffee](#)

09:30 - 09:50 **Flavio Belvedere | ABCS Srl, Fabien Chauchard-Rios | Indatech CA, and Andrea Brunacci | Pharma Technology**
Company introduction and Seminar Opening

09:50 - 10:15 **Mauro Giusti | Parenteral Technical Knowledge Past President, PDA Italy Chapter**
Parenteral Drug Association and Process Analytical Technology

10:15 - 10:40 **Giorgio Perona | ISIRES (Italian Research & Development Institute)**
Benefits from investments and financial management of projects under the "Industry 5.0" program

10:40 - 11:15 **Igor Chourpa | Pharmaceutical Science University of Tours France**
Monitoring CHO Cell Cultures Using Raman Spectroscopy with Optimization Through Spectral Optical Technology

11:15 - 11:50 **Jeppe Hagedorn | Novo Nordisk A/S**
Determination of stem cell pluripotency in spent cultivation media by Raman spectroscopy

11:50 - 12:25 **Fabien Chauchard-Rios | Indatech CA**
Analyzing Biotech End Products: Strategies and Limitations in PAT approaches

12:25 - 13:40 [Lunch \(Roof-Top Restaurant\)](#)

13:40 - 14:10 **Noémie Caillol | Axel'One**
Online spectroscopic techniques coupled with statistical methods for the in-situ monitoring of crystallizations

14:10 - 14:40 **Carolina Gastone, Marino Sergi | Eigengran AI**
Unveiling the potential of Multipoint NIR in real time Neurodynamic control of High shear Wet Granulation

14:40 - 15:15 **Remo Simonetti | MSAT Center of Excellence Johnson & Johnson Innovative Medicines**
Process Analytical Technology, Innovative Technology, Modeling & Data competencies in a Pharmaceutical Industry: Knowledge Management strategies and repositories for a sustainable knowledge transfer

15:15 - 15:40 **Jan Verelst | SIEMENS**
The benefits of combining data driven and mechanistic models in a solvent swap process

15:40 - 16:15 **Sven Borchert | Pharma Technology**
100% Inspection of Tablet Mass, Thickness, API Content, Porosity, and Hardness: Real Time Release in Production & Rapid Testing

16:15 - 16:45 **Anders Sparen | AstraZeneca Gothenburg, Sweden**
Uniformity of dosage unit testing: comparing the CU-120 analyzer with NIR and Raman

16:45 - 17:00 [Q/A and Closing Remarks](#)

For further info about the seminar and how to reach it, please visit our [website](#)

FREE PARTICIPATION

Please fill in the [form](#) on our website to register to this event (the number of seats is limited) otherwise fill in the form below and send it to: segreteria@abcs.it

FIRST NAME

LAST NAME

ROLE

COMPANY NAME

COMPANY ADDRESS

TEL/MOBILE

E-MAIL

I authorize the processing of my personal data for the purpose related to the organization of the event and access to the symposium premises, as well as the inclusion of my data in the ABCS Srl mailing list in accordance with the current regulations for the protection of Italian and European privacy.