



Sunday 23 June 2024

11:00 – 12:30

Room - Tinto

PAT implementation in development and biomanufacturing

Organiser: ACTIP – Advanced Cell Technology Industrial Platform, (<https://www.actip.org>)

ACTIP is an independent non-profit association of European companies and institutions engaged in the industrial use of advanced cell technology for research, development and/or production of biopharmaceuticals, vaccines and other preventative or therapeutic approaches. Its main objectives are to bring advanced cell technology experts together for networking, keeping up to date on cutting-edge developments and focus on technological and applied-oriented challenges for the industrial use of advanced cell technology.

ACTIP welcomes participants to a symposium dedicated to the latest trends in process analytical technologies (PAT) for bioprocess development and manufacturing. Short 10-minute introductory presentations followed by 5 minutes of Q&A will set the stage and provide insights into some of the concepts which shape the biologics and gene & cell therapy industry today. The program will cover aspects such as real-time product quality and process monitoring, application of multi-attribute methods for process and product characterization, platform and automation methods to support accelerated programs and hybrid modeling for PAT implementation. The presentations will be followed by a discussion, which will allow participants and experts to interact and exchange on these topics.

Format of the workshop:

Chairs: Dr Erwin van Vliet (ACTIP, The Netherlands), Dr Jonathan Bones (NIBRT, Ireland), Dr Jochen Sieck (Merck Life Science, Germany)

- 11:00 – 11:05 Welcome & Introduction of ACTIP
- 11:05 – 11:20 PAT for Cell and Gene Therapy: A Call to Arms
James Piret, University of British Columbia, Canada
- 11:20 – 11:35 PAT for cell therapy development at Bayer
Jens Traenkle, Bayer, Germany
- 11:35 – 11:50 Innovations in In-Line Monitoring: Raman Transfer in mAb Production & Glycosylation Profiling?
Fabien Caron, Merck Life Science, France
- 11:50 – 12:05 Real-time process control and continuous product characterization platform through automated high frequency sampling from multiple bioreactor systems
Noemí Dorival-García, NIBRT, Ireland
- 12:05 – 12:20 Hybrid modeling a versatile tool in context with PAT implementation
Gerald Striedner, University of Natural Resources and Life Science Vienna B.O.K.U., Austria
- 12:20 – 12:30 Discussion & Wrap up