

Pre-Conference Academic Symposia, Sunday 26 June, 9:00-10:30

Title: Analytical strategies for improved product characterization & process understanding

Organizers: ACTIP – Animal Cell Technology Industrial Platform

ACTIP welcomes you to this symposium dedicated to the latest trends in analytical strategies for products expressed in animal cells. Short introductory presentations will set the stage and provide insights into some of the concepts which shape the biologics industry today. The proposed topics will cover aspects such as, but not only, real-time product quality and process monitoring, application of multi-attribute methods during product and process development, platform and high-throughput methods to support accelerated programs and insights into regulatory aspects for product quality/stability. The presentations will be followed by a panel discussion which will allow symposium participants and experts to interact and exchange on this topic. ACTIP is an independent non-profit association of European companies/institutions engaged in the industrial use of animal cell technology for research, development and/or production of biopharmaceuticals, vaccines and other preventative or therapeutic approaches. Its main objectives are to bring animal 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 animal cell technology. ACTIP also interacts with ESACT for the promotion of animal cell technologies and to support early career scientists in this field.

Program

*Chairs: Erwin van Vliet (ACTIP, The Netherlands), Jonathan Bones (NIBRT, Ireland),
Matthieu Stettler (Lonza, Switzerland)*

9.00–9.15 h **iConsensus IMI project creating a sensing platform for a biopharmaceutical cultivation process and high-throughput system**
Veronique Chotteau, KTH Royal Institute of Technology, Sweden

9.15–9.30 h **Development and application of optical sensors to monitor cell culture parameters**
Konstantin Bagnjuk, Rentschler Biopharma, Germany

9.30–9.45 h **Application of MS-based characterization workflows in biopharmaceutical development – Recent progress & Case studies**
Dan Bach Kristensen, Symphogen, Denmark

9.45–10.00 h **Characterization of key quality attributes of adeno associated virus (AAV) gene therapy products by LC-MS**
Felipe Guapo, National Institute of Bioprocessing Research and Training (NIBRT), Ireland

10.00–10.15 h **Bioanalytical tools for characterization of process samples of a rotavirus vaccine**
Sofia Carvalho, iBET, Portugal

10.15–10.30 h **General discussion & Wrap up**