Text

Description automatically generated with low confidence![A picture containing chart

Description automatically generated]() **BioProNET2 9th Annual Science Meeting**, **October 11th-12th 2022**

**GSK, Gunnels Wood Road, Stevenage**

|  |  |
| --- | --- |
| **Day 1 – Oct 11th**  **11:00 – 12:30** | ***Workshop:*** *My career in industry, what does an industrial career look like*  *Speakers include: Paul Young (Pharmaron), Holly Corrigal (GSK), Emma Kelsall (Astrazeneca), David Humphreys (UCB), David Mentlak (University of York).* |
| ***12:30 – 13:00*** | ***Lunch*** |
| ***13:00 - 14.30***  ***13:00 – 13:25***  ***13:25 - 13:50***  ***13:50 - 14:15***  ***14:15 - 14:25***  **15:25 – 15:30** | ***Session 1 – Cell Engineering (Chair Mark Smales)***  *Welcome and Introduction to GSK – Gary Finka*  *Colin Clarke (NIBRT) Found in translation: Microproteins are a new class of host cell impurity in monoclonal antibody drug products.*  *Jesus Zurdo (Horizon Discovery) New technology platforms to design and manufacture innovative biotherapeutics: from proteins to cell & gene therapies.*  *Johan Rockberg (KTH Stockholm)* *Demands of secreted protein products - systems biology improve quality and titre.*  *Sarah Martin (CGTC) Development and characterisation of HEK293T expression system for the enhanced production of AAV2 viral vectors.*  *Bioprocessing Entrepreneurial Skills Training* ***(BEST)*** *winners 2022* |
| ***14.30 -16.00*** | ***Break & POSTER SESSION*** |
| ***16:00 - 17.30***  ***16:00 – 16:10***  ***16:10 – 16:35***  ***16:35 - 17:00***  ***17:00 - 17:25***  ***17:25 - 17:30*** | ***Session 2*** *-****Cell culture and process control*** *(****Chair Alan Dickson)***  *Mauro Torres (UoM) Engineering Chinese hamster ovary cells for enhanced biopharmaceuticals production*  *Stephen Goldrick (UCL) Data analytics and soft-sensors for process control and optimisation*  *Ruth Rowland-Jones (Lonza) Inline Raman Models for Feed-back Control of a High Inoculation Fed-Batch Platform Process.*  *Michael Sokolov (DataHow) Digital twins and hybrid models as enablers to master the industry 4.0 challenges in biopharma.*  *Mark Smales - BBSRC Steering Group Follow Up and Grand Challenge Questions* |
| ***17.30 - 18:15***  ***19.30 – 22.00*** | ***Break & POSTER SESSION***    ***Reception & Conference dinner (Cinnabar, central Stevenage)*** |

|  |  |
| --- | --- |
| **DAY 2 – Oct 12th** |  |
| ***09.00 - 10.30***  ***09:00 – 09:25***  ***09:25 – 09:50***  ***09:50 – 10:15***  ***10:15 – 10:30*** | ***Session 3 -******Heterogeneity is the essence of manufacture (Chair Paul Dalby)***  *Milena Quaglia (Reading Scientific Services) Mass Spectrometry for advanced therapeutic medical products.*  *Shahin Heshmatifar (Pall) Viral Vectors Bioprocess Development: Case Studies of Pall Allegro STR Bioreactor Applications in Gene Therapy.*  *Joseph Campion (Pharmaron) The AAV manufacturing challenge: Driving high quality ‘Full’ viral vector for innovative medicines.*  *Elli Makrydaki (Imperial) Addressing glycan heterogeneity with a novel in vitro glycosylation platform.* |
| ***10.30 - 11.30*** | ***Break & POSTER SESSION*** |
| ***11.30 - 13.00***  ***11:30 – 11:55***  ***11:55 - 12:20***  ***12:20 - 12:45***  ***12:45 - 13:00*** | ***Session 4 -******Do we know what good is - QbD for analytics (Chair Cleo Kontoravdi)***  *John O’Hara (UCB) How characterisation analysis adds value to UCB’s QbD strategy.*  *Cristiana Campa (GSK)* *Use of QbD principles for development and lifecycle management of analytical strategies: new trends and perspectives.*  *Julia Leach (CPI) Analytical challenges for AAV.*  *Marika Campini (Pall) Adeno-associated Virus Full Capsid Enrichment* |
| ***13.00 - 13.45*** | ***Lunch*** |
| ***13.45 - 15.15***  ***13:45 - 14:10***  ***14:10 - 14:35***  ***14:35 - 15:00***  ***15:00 - 15:15*** | ***Session 5*** *-* ***10 years from now–what does the future hold (Chair David Humphreys)***  *Zoltan Kis (Sheffield)* *Next generation RNA vaccine and therapeutics production.*  *Dan Mulvihill (University of Kent) High yield vesicle packaged recombinant protein production from E. coli.*  *Alison Porter (Ivy Farm) A Meating of Worlds: Mammalian Biotech and Food.*  *Claire Fowler (Leaf Expression Systems) Sowing the seeds of a new industry: Protein production in plants.* |
| ***15.15- 15.20*** | ***Meeting closure and awards for poster presentations*** |