ESACT-UK 24th Annual Scientific Meeting Programme

Wednesday 8th January 2014

11:00-11:15  Meeting introduction
Jon Dempsey; ESACT-UK committee chair

11:15-12:00  Keynote Speaker
CHO-genomics: getting a handle on a complex and malleable cell factory
Nicole Borth; BOKU, Austria

12:00-13:00  Lunch

12:15-12:45  Careers opportunities forum

13:00-14:30  Session 1 – Upstream Processing
Session sponsored by BD Biosciences

13:00-13:30  Finding a needle in a Haystack: The SSI approach to cell line creation
Robert Young; Lonza

13:30-14:00  CHO cell line specific prediction and control of recombinant monoclonal antibody N-glycosylation
Rhian Grainger; University of Sheffield

14:00-14:30  TBC
Kalpana Nayyar; MedImmune

14:30-15:00  Tea/coffee, trade stands and poster viewing
15:00-16:30  Session 2 – Downstream Processing and Formulation
15:00-15:30  Early developability assessment as a suitable implementation of Quality by Design strategies to facilitate biopharmaceutical development and reduce product attrition
Jesus Zurdo; Lonza

15:30-16:00  TBC
TBC

16:00-16:30  TBC
Barry Derham; Arecor

16:30-17:00  Tea/coffee and trade stand viewing

17:00-18:00  Session 3 – Early Career Researchers
Session sponsored by BD Biosciences
17:00-17:15  Investigating bioprocessing variables that influence antibody stability during therapeutic IgG production.
Stephanie Davies; University of Kent

17:15-17:30  Identifying non-functional genes in Chinese hamster ovary cells using bioinformatics techniques
Sean Fang; University of Sheffield

17:30-17:45  Engineering of mTOR signalling in CHO Cells for enhanced recombinant protein production
Andrew Dean; University of Kent

17:45-18:00  Exploring the improvement of human cell cryopreservation-benchmarking the gold standard
Tim Morris; Loughborough University

18:00-18:15  Update on ESACT-UK activities
Jon Dempsey; ESACT-UK committee chair

18:15-20:00  Posters, trade stand viewing and networking
Sponsored by Eppendorf

20:00  ESACT-UK society dinner and after-dinner quiz
Thursday 9th January 2014

07:30-08:30  Breakfast

09:00-10:30  Session 4 – New Technologies
09:00-09:30  Non-invasive, label-free, quantitative characterisation of live cells in monolayer culture
Melissa Mather; University of Nottingham
09:30-10:00  Protein separations in extruded microfluidics
Nuno Reis; Loughborough University
10:00-10:30  Applications of genome editing technologies in tackling disease: from target discovery to drug manufacture
Holly Astley; Horizon Discovery

10:30-11:00  Tea/coffee and trade stand viewing

11:00-12:30  Session 5 – Stem cells and tissue engineering
11:00-11:30  Bioreactors for cell therapy scale up
Marianne Ellis; University of Bath
11:30-12:00  Metabo-lungTM: a working model of human lung tissue to test toxicity of drugs
Zoe Prytherch; Cardiff University
12:00-12:30  3D scaffolds and in vitro models for nerve tissue
John Haycock; University of Sheffield

12:30-13:30  Lunch
13:30-14:15  Keynote Speaker
Future Biopharmaceuticals: Quality by Design not Chance
Mark Uden; GSK

14:15-15:45  Session 6 – Novel format therapeutics

14:15-14:45  Novel linker technologies provide improved stability profiles in ADC development
Jenny Thirlway; Glythera

14:45-15:15  The BEAT platform: innovative solutions for the industrial production of bispecific antibodies
Pierre Moretti, Glenmark Pharmaceuticals

15:15-15:45  Development and manufacture of antibody drug conjugates
Jon Dempsey; Piramal

15:45-16:00  Award of prizes and close of meeting

Best young researchers talk prize and poster prize sponsored by BD Biosciences