

# Recombinant Protein Technology 2016

ASTRAZENECA, GOTHENBURG, SWEDEN  
8<sup>th</sup> - 9<sup>th</sup> June 2016



Conference directors Robert Roth (AstraZeneca) and Alan Dickson (University of Manchester) are pleased to welcome you to Recombinant Protein Technology 2016. This conference will focus on the latest advances in technologies for the design and production of recombinant proteins used as biotherapeutics and as reagents in drug discovery. Understanding how to facilitate expression of novel and difficult proteins through protein and cell line engineering will be essential to support future drug discovery. It is an absolute prerequisite for drug discovery that recombinant proteins can be produced in sufficient amounts and are of appropriate quality. The repertoire of novel biologics has expanded beyond classical antibodies into production of therapeutic proteins and complex antibody formats that pose fresh challenges for existing expression systems.

## DAY 1: WEDNESDAY 8<sup>TH</sup> JUNE

10:15 - 10:30	Session Chair Introduction
<b>PROTEIN ENGINEERING</b>	
10:30 - 11:00	<b>Designing Self Assembling Protein Cages Using Coiled-Coil Peptide Module</b> David Tew, GlaxoSmithKline
11:00 - 11:30	<b>Teaching Proteases New Tricks: Catalytic Degradation of Abeta and IL-13</b> Lutz Jermutus, MedImmune
11:30 - 12:00	<b>Using Protein Engineering to Create Differentiated Biopharmaceutical Products - General Impressions and the Sobi Experience</b> Patrik Strömberg, Swedish Orphan Biovitrum AB (Sobi)
12:00 - 12:30	<b>SNAPSHOT PRESENTATIONS</b> Bio-Techne EMEA Takara Bio Europe
12:30 - 13:30	<b>LUNCH, EXHIBITION, POSTERS</b>
13:30 - 14:30	<b>PLENARY KEYNOTE: Production Cell Line Genome Heterogeneity and Stability: What is it That Controls Cell Behavior?</b> Nicole Borth, University of Natural Resources & Life Sciences, Vienna (BOKU)
<b>SYNTHETIC BIOLOGY / BIOCHEMISTRY</b>	
14:30 - 15:00	<b>Engineering of Gene Circuits for Mammalian Cell-Based Applications</b> Simon Ausländer, D-BSSE ETH Zürich
15:00 - 15:30	<b>COFFEE BREAK (Exhibition &amp; Posters)</b>
15:30 - 16:00	<b>Maximizing Genetic Diversity, Directed Evolution of Proteins</b> Andres Cramer, GlaxoSmithKline
16:00 - 16:30	<b>POSTER TASTERS</b>
16:30 - 18:00	<b>Poster Presentations &amp; Drinks Reception</b>

## DAY 2: THURSDAY 9<sup>TH</sup> JUNE

9:00 - 9:15	Session Chair Introduction
<b>CELL LINE ENGINEERING / GENOME EDITING</b>	
9:15 - 9:45	<b>Protein Folding Homeostasis in the Early Secretory Pathway – Can it be Tuned?</b> David Ron, University of Cambridge
9:45 - 10:15	<b>Application of CRISPR/Cas9-Mediated Genome Engineering for Improved Protein Production in Mammalian Cells</b> Helene Fastrup Kildegaard, Novo Nordisk Foundation Center for Biosustainability
10:15 - 10:45	<b>Illuminating the Central Role of microRNAs in Regulating CHO Cell Phenotypes: Implications for Next-Generation Cell Line Development</b> Simon Fischer, Boehringer Ingelheim Pharma GmbH & Co. KG
10:45 - 11:15	<b>COFFEE BREAK (Exhibition &amp; Posters)</b>
<b>CORE PROTEIN EXPRESSION / CHEMISTRY</b>	
11:15 - 11:45	<b>Cell factories for production of biological pharmaceuticals</b> Mathias Uhlén, Royal Institute of Technology (KTH)
11:45 - 12:15	<b>Baculovirus Expression - Old Dog, New Tricks</b> Imre Berger, University of Bristol & EMBL
12:15 - 12:30	<b>Close of Meeting &amp; Final Remarks</b>
12:30 - 13:30	<b>LUNCH</b>

**A complimentary shuttle bus service will run from the main entrance of the PGN Conference Centre to the airport at 1:30 PM, 2:00PM and 2:30PM.**

Thank you to our hosts:






European Laboratory  
Research & Innovation Group

## UPCOMING ELRIG EVENTS PROGRAMME

**Drug Discovery 2016**  
ACC, LIVERPOOL  
13th - 14th October 2016  
#ELRIGDD16



















**Pharmaceutical Flow Cytometry & Imaging 2016**  
GLAXOSMITHKLINE, STEVENAGE  
22nd - 23rd November 2016  
#ELRIGFC16



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## RECOMBINANT PROTEIN TECHNOLOGY 2016 EXHIBITORS

 <b>Agilent Technologies</b> Agilent Technologies <a href="http://www.agilent.com">www.agilent.com</a>	 <b>biotechne</b> Bio-Techne EMEA <a href="http://www.bio-techne.com">www.bio-techne.com</a>	 <b>Bio-Works</b> Bio-Works Sweden AB <a href="http://www.bio-works.net">www.bio-works.net</a>	 <b>BLUE CAT BIO</b> BlueCatBio GmbH <a href="http://www.bluecatbio.com">www.bluecatbio.com</a>
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