

## Poster Presentations

1. **Enlarging the synthetic biology toolbox for *Pichia pastoris*: Golden Gate cloning and CRISPR/Cas9**  
Roland Prielhofer, ACIB - Austrian Centre of Industrial Biotechnology, BOKU/DBT, Austria
2. **Engineering vacuolar sorting pathways for efficient secretion of recombinant proteins**  
Brigitte Gasser, BOKU/DBT, Austrian Centre for Industrial Biotechnology (ACIB), Austria
3. **Genome-scale reconstruction of *Salinispora tropica* metabolism; Microbial engineering and its applications in secondary metabolite production**  
Barbara A. Andrews, Centre for Biotechnology and Bioengineering, University of Chile, Chile
4. **Using screening and classical strain improvement techniques to get the best performance of lactic acid bacteria**  
Gunnar Øregaard, Chr Hansen, Denmark
5. **Combined engineering of disaccharide transport and phosphorolysis for enhanced ATP yield from sucrose fermentation in *Saccharomyces cerevisiae***  
Wesley Marques, Delft University of Technology, The Netherlands
6. **Engineering of *Escherichia coli* protein expression process development**  
Chih-Hsi Fan, Development Center for Biotechnology, Taiwan
7. **Gram level scFv expression platform of *Phichi pastoris***  
Jen-Wei Chang, Development Center for Biotechnology / Institute of Biologics, Taiwan
8. **Redox potential control in anaerobic *Clostridium beijerinckii* fermentation using single-use vessels**  
Ying Yang, Eppendorf Inc., USA
9. **Production, immobilization and synthesis of pharmacological derivatives of lipase B from *Candida antarctica* in *Pichia pastoris***  
Julia Robert, Federal University of Rio de Janeiro, Brazil
10. **Improvement of retinoids production in recombinant *E. coli* using glyoxylic acid**  
Ji-Bin Park, Gyeongsang National University, South Korea
11. **Sequential whole cell conversion process for production of D-psicose and D-mannitol from D-fructose**  
Seong-Hee Jeong, Gyeongsang National University, South Korea
12. **Optimization of isoprene production using a metabolically engineered *Escherichia Coli***  
Seon-Yeong Jo, Gyeongsang National University, South Korea
13. **Production of  $\alpha$ -Bisabolol from metabolically engineered *Escherichia coli***  
Ju-Eon Park, Gyeongsang National University, South Korea
14. **The molecular mechanism of TSA's Ca<sup>2+</sup> independency for thermal stability based on structure analysis**  
Shujun Wangle, Huaihai Institute of Technology, China

15. **Phenotypic and molecular characterization and the LAMP detection of pathogenic vibrio natriegens isolated from diseased *Penaeus Japonicus***  
LI Chen, Huaihai institute of technology, China
16. **Engineering of *Corynebacterium glutamicum* for the secretory production of recombinant proteins via Tat-dependent pathway**  
Jae Woong Choi, KAIST, South Korea
17. **Expression and downstream purification of insulin molecules in *Pichia pastoris***  
Aster J. Escalante, Keck Graduate Institute, USA
18. **Replacing animal-based hydrolysates in biopharmaceutical processes with animal-free and chemically defined alternatives to reduce regulatory concerns**  
Floyd L. Inman III, Kerry, USA
19. **Synthetic biocatalytic modules for enhanced transformation of biological waste products**  
Peter L. Bergquist, Macquarie University, Australia
20. **Identifying the best *Pichia pastoris* base strain using functional genomics**  
Joseph R. Brady, Massachusetts Institute of Technology, USA
21. **Case study: Raman implementation for process lifecycle management in fermentation based processes**  
Roberto I. Ortiz, Merck & Co, USA
22. ***E. coli* strain engineering to minimize host cell protein contamination of recombinant target protein**  
James Samuelson, New England Biolabs, Inc., USA
23. **Improving *E. coli* growth performance by manipulating small-RNA expression**  
Joseph Shiloach, NIDDK/NIH, USA
24. **Sustainable production of  $\beta$ -Xanthophylls in *Saccharomyces Cerevisiae***  
Vicente Cataldo, Pontificia Universidad Católica de Chile, Chile
25. **Coenzyme Q production by metabolic engineered *Escherichia coli* strains**  
Irene Martinez, Pontificia Universidad Católica de Valparaíso, Chile
26. **From screening to process optimization: AMBR technology to speed up microbial fermentation processes**  
Kevin McHugh, Sartorius Stedim Biotech, USA
27. **Automation and miniaturization of a microbial fermentation platform for the production of antibody fragments**  
Geoff Brown, UCB, United Kingdom
28. **Genetically engineered probiotic *E. coli* Nissle to consume amino acids associated with orphan metabolic diseases**  
Ning Li, Synlogic Inc., USA
29. **Towards extracellular release of recombinant proteins from *E.coli* using antisense technology**  
Shahin Heshmatifar, UCL, United Kingdom

30. **Effect of the oxygen transfer rate on oxygen-limited production of plasmid DNA by *Escherichia coli***  
Alvaro R. Lara, Universidad Autónoma Metropolitana-Cuajimalpa, Mexico
31. **Methodology to rapidly assess enzyme cascades in aid of metabolic engineering of host cells**  
Maria Villegas-Torres, Icesi University and University College London, Colombia
32. **Enhancing the productivity of supercoiled plasmid upstream bioprocessing through plasmid engineering**  
Olusegun Folarin, University College London, United Kingdom
33. **Developing bacterial microcompartments for the recombinant production of proteins**  
Stefanie Frank, University College London, United Kingdom