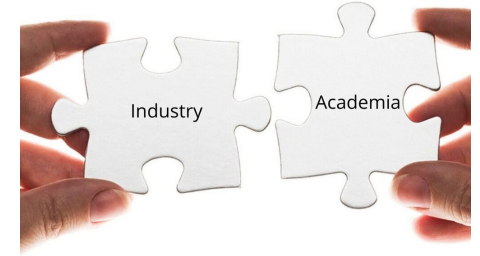




Vereinigung für
Allgemeine und
Angewandte
Mikrobiologie



10. VAAM Industry-Academia Panel

16.11.2023, 4 pm

An update of molecular tools in genetic engineering of microorganisms



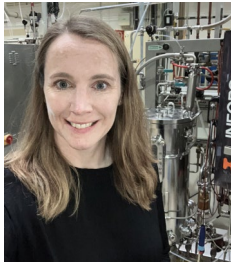
Dr. Marlen Schmidt, Gen-H Genetic Engineering Heidelberg GmbH

Gen-H antibiotic-free fermentation system – important tool for biotechnology

Introduction of Gen-H and precise E. coli genome engineering examples for industrial biotechnology

- Presentation of Gen-H antibiotic-free fermentation system:

- * is cost-efficient, responsible & sustainable
- * existing strains and processes can be easily converted to Gen-H's antibiotic-free fermentation system



Prof. Dr. Anna-Lena Heins, Institute of Bioprocess and Biosystems Engineering, TU Hamburg-Harburg

Multiple fluorescent reporter strains in bioprocesses - getting a better understanding on how our cells behave

Multiple fluorescent reporter strains as tool to investigate single cell physiology and population heterogeneity in bioprocesses:

- * Presentation of the concept of a multiple reporter strain system
- * Application example and future application possibilities