Research outputs:

Reprogramming AA catabolism in CHO cells with CRISPR/Cas9 genome editing improves cell growth and reduces byproduct secretion
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Impact of CHO Metabolism on Cell Growth and Protein Production: An Overview of Toxic and Inhibiting Metabolites and Nutrients
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Reprogramming amino acid catabolism in CHO cells with CRISPR-Cas9 genome editing improves cell growth and reduces by-product secretion
Research output: Contribution to conference › Poster – Annual report year: 2017 › Research › peer-review

CHO On A Detox: Removing By-Product Formation Through Cell Engineering
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Projects:

Engineering of a by-product-reduced CHO cell line (CleanCHO)
Domingues Pereira, S. I., Kildegaard, H. F., Jensen, M. K., Åkesson, M. F., Chotteau, V. & Andersen, M. R. Marie Curie (EU-stipendium)
15/09/2015 → 09/11/2018
Project: PhD

Engineering nutrient and by-product metabolism
Domingues Pereira, S. I., Kildegaard, H. F. & Andersen, M. R.
15/09/2015 → 14/09/2018
Project: Research

eCHO Systems: Enhancing CHO by Mammalian Systems Biotechnology
01/01/2015 → 31/12/2018
Project: Research

Activities:

Metabolic Engineering 12
Sara Pereira (Participant)
24 Jun 2018 → 28 Jun 2018
Activity: Attending an event › Participating in or organising a conference
Reduced by-product and improved cell growth in Chinese Hamster Ovary cells through the engineering of amino acid catabolism
Sara Pereira (Other)
24 Jun 2018 → 28 Jun 2018
Activity: Talks and presentations › Conference presentations

Engineering by-product reduced CHO cells
Sara Pereira (Speaker)
7 Jun 2018 → 8 Jun 2018
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

12th DANISH CONFERENCE ON BIOTECHNOLOGY AND MOLECULAR BIOLOGY (DCB12)
Sara Pereira (Speaker)
1 Jun 2017 → 2 Jun 2017
Activity: Talks and presentations › Conference presentations

Engineering CHO cell's amino acid metabolism using CRISPR/Cas9 towards optimal by-product and cell growth phenotypes
Sara Pereira (Speaker)
1 Jun 2017 → 2 Jun 2017
Activity: Talks and presentations › Conference presentations

1st ESACT Frontiers Retreat
Sara Pereira (Participant)
Activity: Attending an event › Participating in or organising a conference

Prizes:

2nd Poster Prize
Sara Pereira (Recipient), 2 Jun 2017
Prize: Prizes, scholarships, distinctions

ACTIP Fellowship
Sara Pereira (Recipient), 8 Jun 2018
Prize: Prizes, scholarships, distinctions