Research outputs:

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

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

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

Projects:

Engineering of a by-product-reduced CHO cell line (CleanCHO)
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
Horizon 2020 MSCA ITN
01/01/2015 → 31/12/2018
Project: Research

Activities:

Metabolic Engineering 12
Domingues Pereira, S. I. (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
Domingues Pereira, S. I. (Other)
24 Jun 2018 → 28 Jun 2018
Activity: Talks and presentations › Conference presentations
Engineering by-product reduced CHO cells
Domingues Pereira, S. I. (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)
Domingues Pereira, S. I. (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
Domingues Pereira, S. I. (Speaker)
1 Jun 2017 → 2 Jun 2017
Activity: Talks and presentations › Conference presentations

1st ESACT Frontiers Retreat
Domingues Pereira, S. I. (Participant)
Activity: Attending an event › Participating in or organising a conference

Prizes:

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

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