

Modelling the bioenergetics of a natural digester: the human gut microbiome

ACTIONS

July-December 2018: preliminary experiments performed at ASU and data sharing

January-June 2019: Agropolis mobility: model development (objective 1)

July-December 2019: possible mobility prolongation for biocalorimetry experiments and model optimization

The major output expected from this mobility would be the development of a modelling framework for a precise evaluation of anaerobic microbial community thermodynamics. This framework could then be applied for energy balances in other contexts such as environmental biotechnology. This would also constitute a good basis for future collaboration projects with Pr. Bruce Rittmann, Dr. Andrew Marcus and other scientists from the Biodesign Swette Center for Environmental Biotechnology.

Responsable :

Date de démarrage : 01/07/2018

Date de clôture : 31/12/2019

Montant :

