

# 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 :**

