Bacterial community

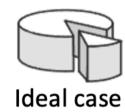


Omics data



method

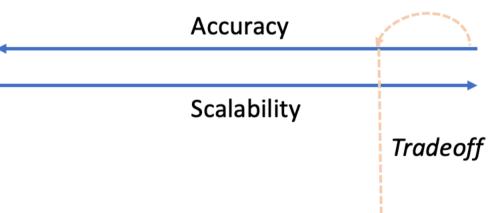
Numerical approaches



Revealing the dynamics and mechanisms of bacterial interactions in cheese production with metabolic modelling (in revision)

Highlight pathway of interest Generate mechanistic hypothesis

Integrate heterogeneous data Generate robust <u>GSMN</u> Bacterial interaction rules Generic approach



Enrichment of the discrete approach





Discrete approaches



Reasoning-based metabolic modelling of cooperation and competition potentials in large-scale microbial communities (in prep.)