MISTIFY PROJECT. ECOLOGY OF SALMONELLA TYPHIMURIUM INFECTION: A MATHEMATICAL MODELING INSIGHT

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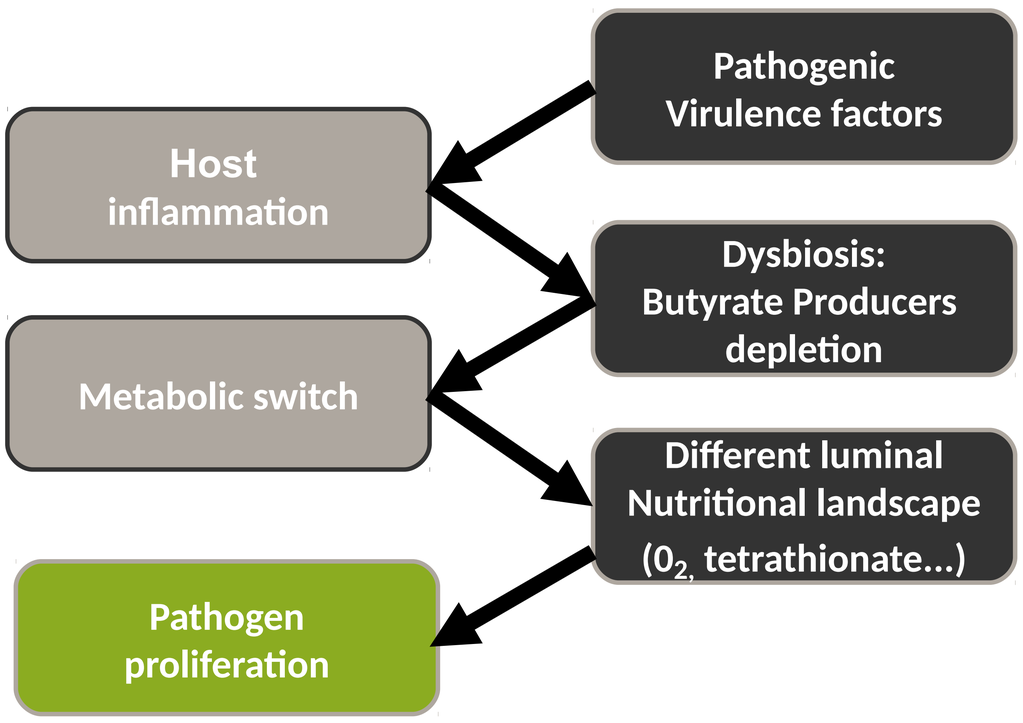
BIOLOGICAL CONTEXT:

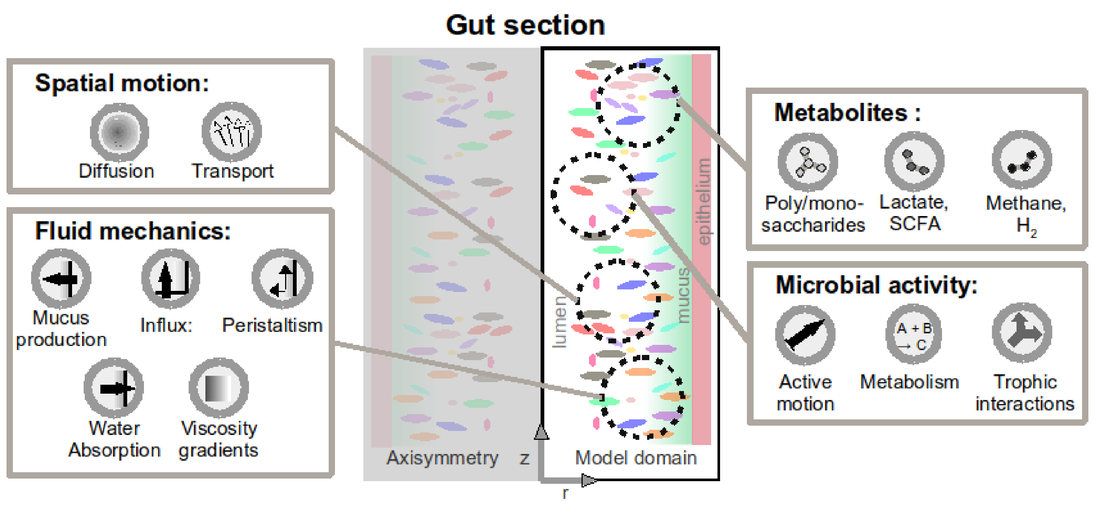
- Salmonella infection is the most common vector of collective food poisoning in the developed world. Deciphering the mechanisms of infection is a key step towards **epidemiological policies** against Salmonella zoonoses.
- **Infection mechanism:**



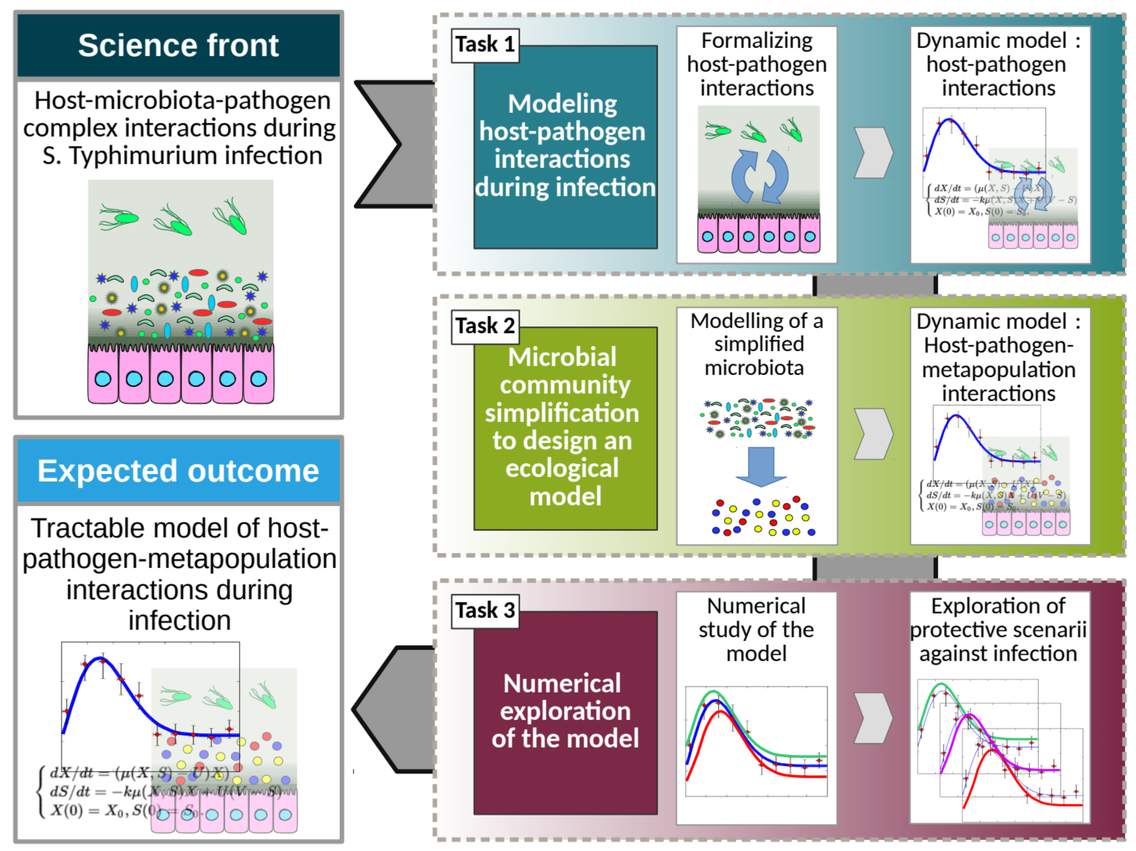
- **Goal:** "whole pathobiome" model to decipher the mechanisms of infection, and characterize the infection mechanisms, together with competition with commensals.

MATHEMATICAL MODEL TYPE:

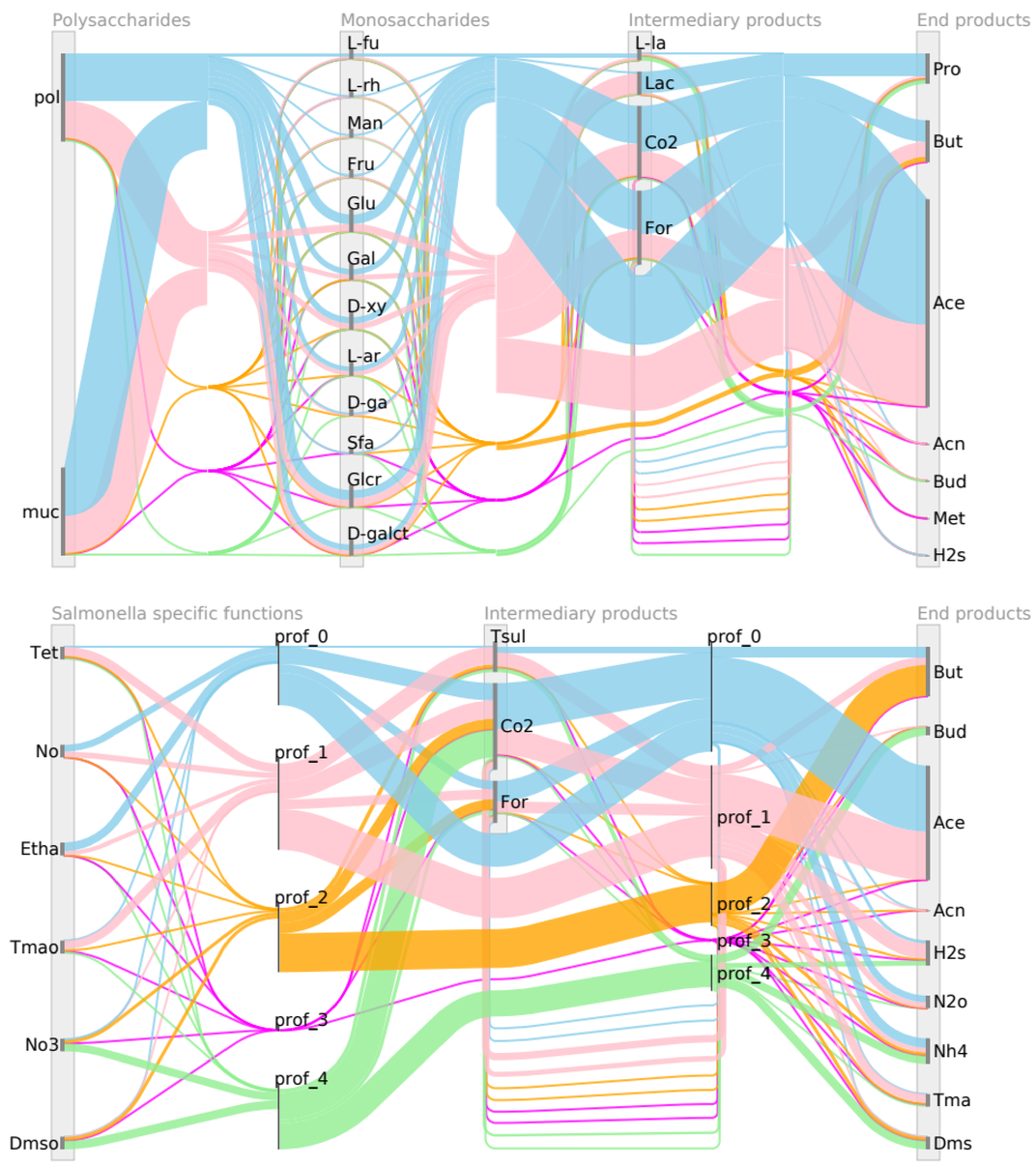
Modeling the ecology of *Salmonella* infection



PROJECT OVERVIEW:



PRELIMINARY RESULTS:



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