#### Foods 2022: Food, Microbiome and Health



How iron combined with prebiotics and lactoferrin can favor a healthy gut microbiota in infants living in rural Africa – an *in vitro* study

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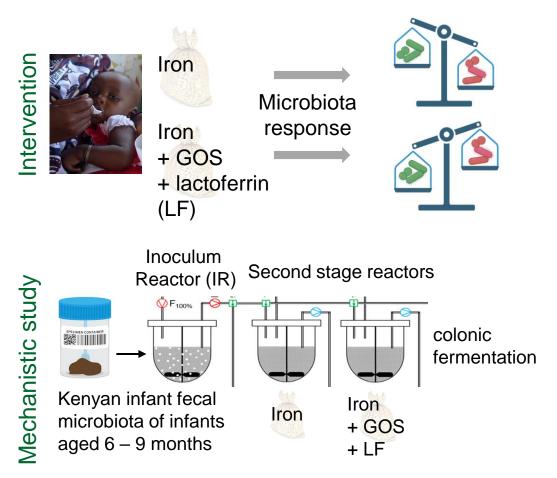




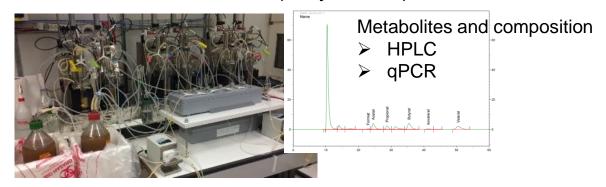


# Investigating the mode of action of nutritional interventions in Kenyan infants using a continuous *in vitro* colonic fermentation model

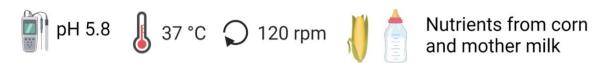
### Novel nutritional solutions against IDA



### Colonic fermentation model (PolyFermS)

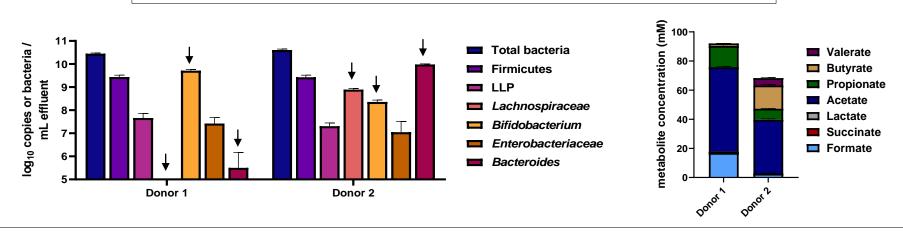


➢ Proximal colon condition of a Kenyan infant during weaning at the age of 6 − 9 months

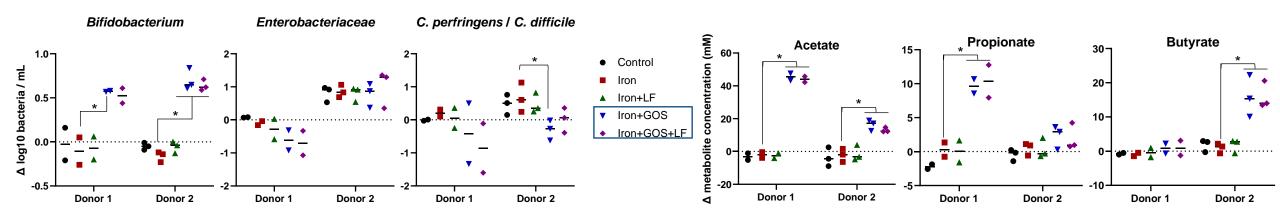


# Protective effect of galacto-oligosaccharides through stimulation of beneficial gut microbes and metabolite production



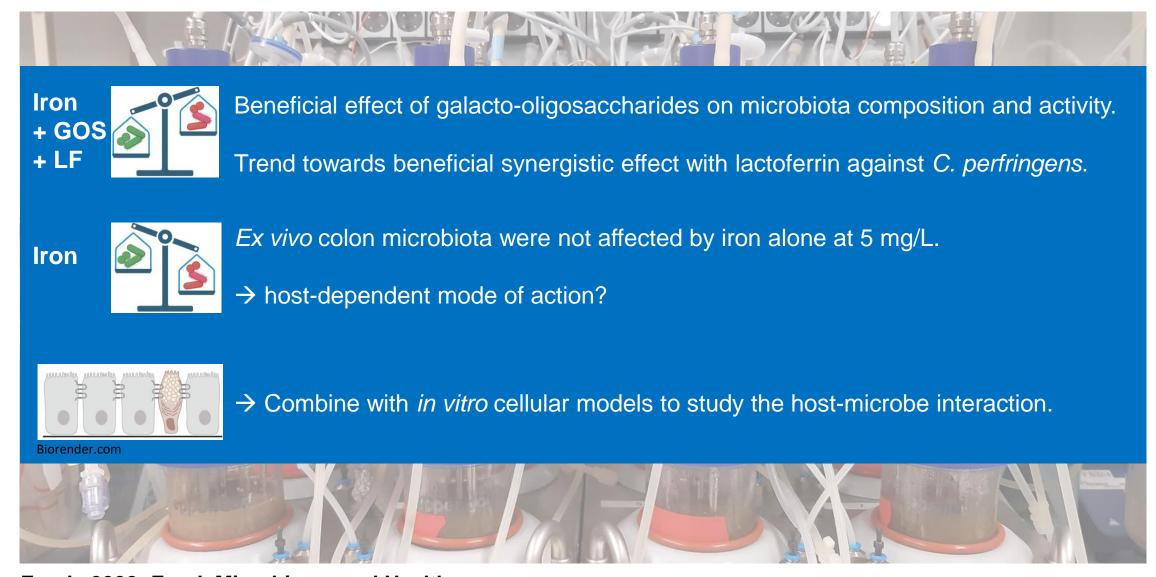


Decreased growth of enteropathogens upon exposure to galacto-oligosaccharides concomitant with an increase of Bifidobacterium and short-chain fatty acids.









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