

Infant milk formulas: effect of heat treatments on the protein physicochemical properties and the nutritional quality

Amira Halabi

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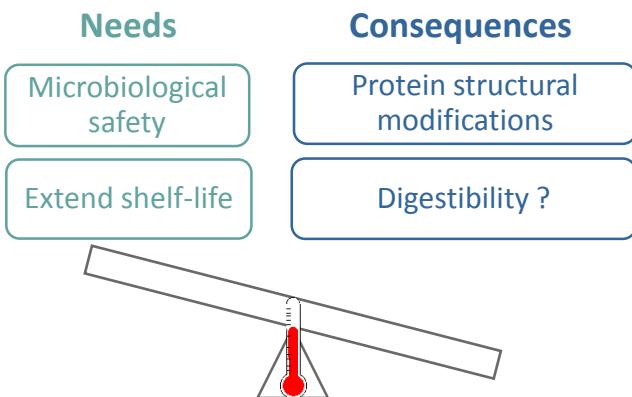
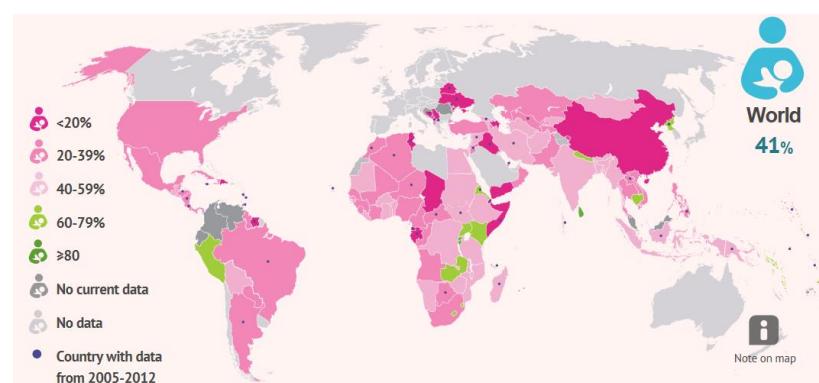
STLOpen Days
19-21 March 2019



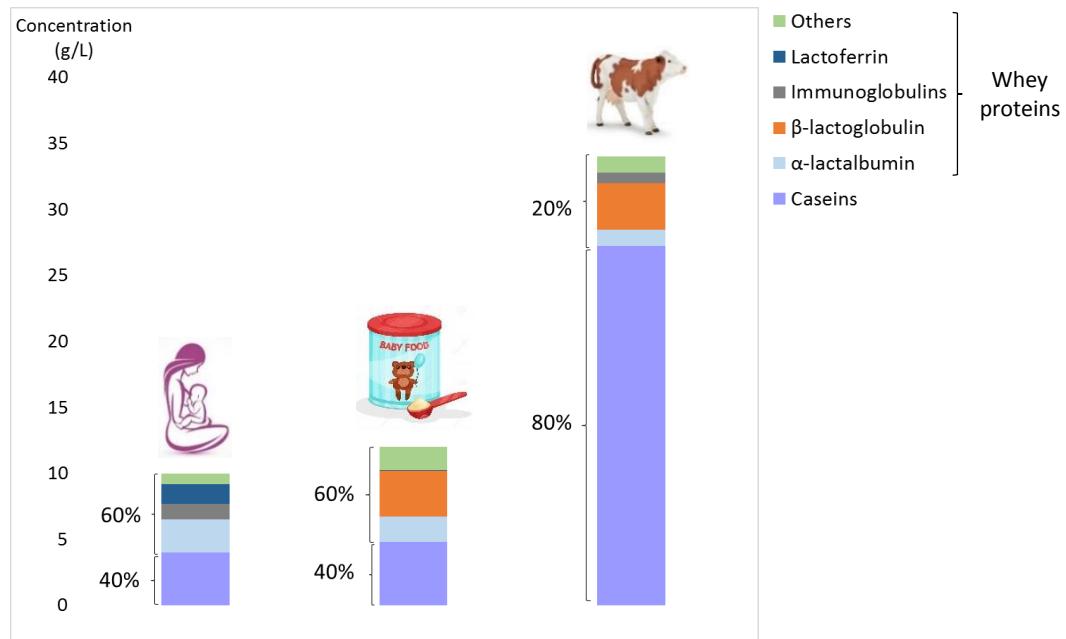
Amira Halabi – ISF/BN Teams
Interaction-Structure-Functionalities / Bioactivity and nutrition



Socio-economic and scientific contexts



Heat treatments of infant milk formulas

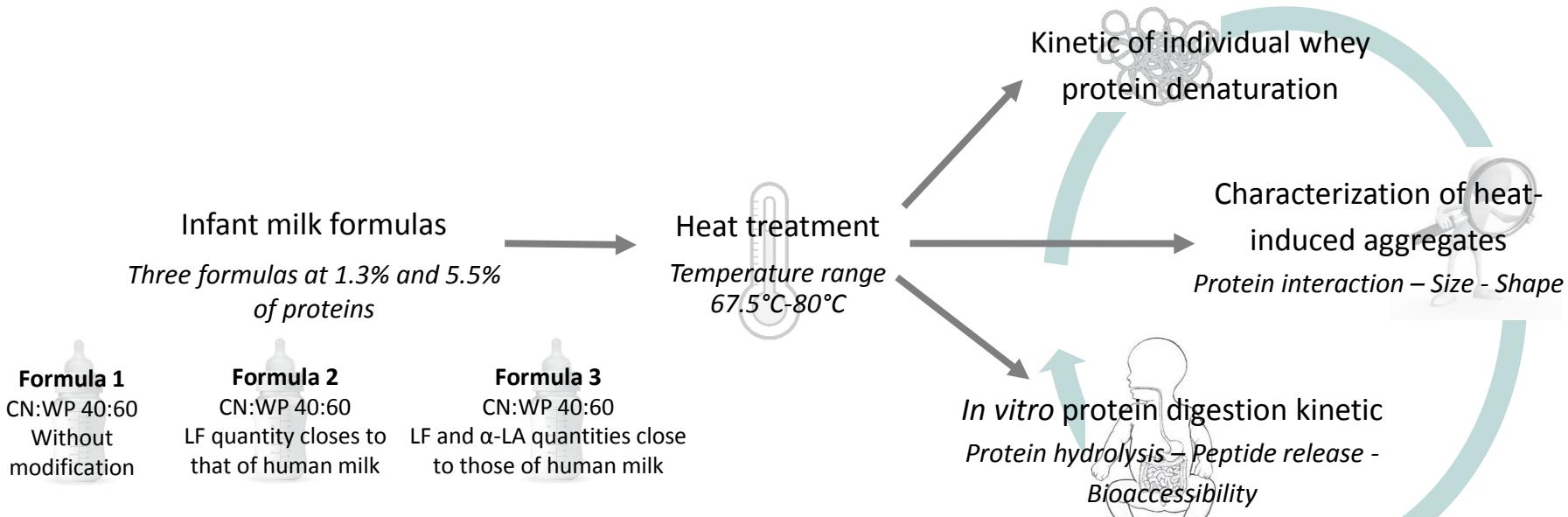


Adapted from Chatterton et al. 2013

Protein composition of human milk, commercial infant milk formulas and bovine milk

Strategy

What are the impacts of heat treatment on the structure and digestion kinetic of proteins of infant milk formulas mimicking the protein profile of human milk ?



CN: caseins
WP: whey proteins
LF: lactoferrin
 α -LA: α -lactalbumin

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