

University of Groningen

Mom's sweet gift

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DOI:
[10.33612/diss.127480932](https://doi.org/10.33612/diss.127480932)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2020

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):
Cheng, L. (2020). *Mom's sweet gift: The beneficial effects of human milk oligosaccharides and their structure-function relationships*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.127480932>

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PROPOSITIONS

BELONGING TO THIS DISSERTATION

Mom's sweet gift

The beneficial effects of human milk oligosaccharides and their structure-function relationships

1. Non-digestible carbohydrates in infant formulas cannot substitute all human milk oligosaccharides (hMOs) functions. *(This thesis)*
2. A better understanding of the structure-function relationship of hMOs contributes to future design of hMO containing products for specific target groups. *(This thesis)*
3. Slight differences in molecular structure of hMOs has significant impact for their biological actions. *(This thesis)*
4. Digestion in the gastrointestinal tract influence the bioactivity and efficacy of hMOs. *(This thesis)*
5. TNFR1 is a receptor for hMOs on gut epithelial cells and might explain regulation of inflammatory events by hMOs. *(This thesis)*
6. Cross-talk between commensal bacteria and intestinal epithelial cells and the presence of peristaltic movements influence the impact of hMO. *(This thesis)*
7. Early life nutrition is the cornerstone of lifelong health.
8. If we knew what it was we were doing, it would not be called research, would it? *(Albert Einstein)*
9. 山重水复疑无路，柳暗花明又一村 -- 陆游
After endless mountains and rivers that leave doubt whether there is a path out, suddenly one encounters the shade of a willow, bright flowers and a lovely village. *(You Lu)*