

# The gut in control of health and disease

## Citation for published version (APA):

van der Beek, C. M. (2017). *The gut in control of health and disease: unraveling the role of short-chain fatty acids in human metabolism*. Datawyse / Universitaire Pers Maastricht. <https://doi.org/10.26481/dis.20171004cvdb>

## Document status and date:

Published: 01/01/2017

## DOI:

[10.26481/dis.20171004cvdb](https://doi.org/10.26481/dis.20171004cvdb)

## Document Version:

Publisher's PDF, also known as Version of record

## Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

## General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

[www.umlib.nl/taverne-license](http://www.umlib.nl/taverne-license)

## Take down policy

If you believe that this document breaches copyright please contact us at:

[repository@maastrichtuniversity.nl](mailto:repository@maastrichtuniversity.nl)

providing details and we will investigate your claim.

## Stellingen behorend bij het proefschrift

*The gut in control of health and disease: Unraveling the role of short-chain fatty acids in human metabolism*

1. Increasing acetate concentrations in the distal colon serves as an important nutritional and therapeutic target to promote fat oxidation and improve the human metabolic profile. *This thesis*
2. Ingestion of the prebiotic inulin results in formation of acetate, propionate, and butyrate, and provides an improved metabolic profile in overweight to obese subjects. *This thesis*
3. Despite an increase in fecal bifidobacteria, long-term galacto-oligosaccharides (GOS) supplementation does not result in metabolic changes in prediabetic subjects. *This thesis*
4. Short-chain fatty acid treatment as a stand-alone therapy will not prove effective in treating or preventing human colonic diseases. *This thesis*
5. Transfer of sterile filtrates from donor stool, rather than fecal microbiota, is sufficient to restore normal stool habits and eliminates symptoms in patients with *Clostridium difficile* infection. (S. Ott et al, *Gastroenterology*, 2017)
6. Recommending a low-FODMAP (Fermentable Oligo-, Di-, Mono-saccharides And Polyols) diet for the entire population is difficult to justify. (F. Brouns et al, *Cereal foods world*, 2017)
7. Interference with resilient adult microbiota by antibiotics has no clinically relevant effects on metabolic parameters. (D. Reijnders et al, *Cell Metabolism*, 2016)
8. A patient-specific treatment, driven by a specific microbial response, is an important future perspective.
9. The secret of the care of the patient is in caring for the patient. (Dr Francis Weld Peabody)
10. If you think you are too small to make a difference, try sleeping with a mosquito in the room. (Dalai Lama)
11. Er gaat meer boven je pet dan eronder. (Toon Hermans)