

A clash of kings

Citation for published version (APA):

Maas, E. T. M. (2023). *A clash of kings: Tools to study cross-kingdom interactions in the human gut microbiota*. [Doctoral Thesis, Maastricht University]. Maastricht University.
<https://doi.org/10.26481/dis.20230316em>

Document status and date:

Published: 01/01/2023

DOI:

[10.26481/dis.20230316em](https://doi.org/10.26481/dis.20230316em)

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

Take down policy

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

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Propositions

Propositions belonging to the thesis entitled:

A clash of kings: Tools to study cross-kingdom interactions in the human gut microbiota

Evy Maas

Maastricht, 16th of March 2023

1. *In vitro* survival studies performed in a complex model help in the design of effective bacteriophage therapy. *This thesis*
2. The high specificity of bacteriophages make that phage therapy is a promising alternative to antibiotics in treating GI infections. *This thesis*
3. Sequencing studies on the gut microbiota should include information on the mycobiota. *This thesis*
4. The low diversity and high inter-individual variability make studying gut fungal-, as compared to bacterial-communities, much more challenging. *This thesis*
5. Antimicrobial resistance will become the biggest health problem globally in the next decades.
6. Good bioinformatic expertise is the most important bottleneck in the analysis of microbial sequencing data.
7. *In vitro* fermentation models are an innovative technological platform where the greatest advantages are exhibited by the virtually limitless experimental capacity as experimentation is not restricted by ethical concerns (Payne et al 2012)
8. Scientific information should be protected in a world where disinformation can be found everywhere.