

# Macrophages in colorectal cancer: proof of principle for diagnostic application

Citation for published version (APA):

Japink, D. (2015). *Macrophages in colorectal cancer: proof of principle for diagnostic application*. [Doctoral Thesis, Maastricht University]. Maastricht University. <https://doi.org/10.26481/dis.20150424dj>

## Document status and date:

Published: 01/01/2015

## DOI:

[10.26481/dis.20150424dj](https://doi.org/10.26481/dis.20150424dj)

## 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

1. The activated monocyte's or macrophage's ability to concentrate substances intracellularly enables improved cancer diagnostics utilizing a common tumor marker (this thesis)
2. Monocytes should be viewed not just as precursors, but rather as mononuclear phagocytes that have the option, not the obligation, to differentiate to macrophages in response to cues (Jakubzick).
3. Intra-vesicle CEA is available for intracellular detection by multiple modalities during a sufficient period despite lysosomal activity. (this thesis)
4. Monocyte or macrophage measurements during the first two weeks of neoadjuvant chemoradiotherapy add predictive power to established prediction tools. (this thesis)
5. Het vak van chirurgen is reeds teveel verschoven van de snijtafel naar de schrijftafel.
6. De vrije artskenkeuze is in werkelijkheid helaas voorbehouden aan de zorgverzekeraar en behoort blijkbaar niet aan de patiënt.
7. Voordat men als universiteit aan rendementsdenken kan gaan denken moet men zelf eerst maar eens bedenken hoe er echt over rendement gedacht moet worden.
8. The real problem with valorisation is that people are unwilling to part with their knowledge.
9. The medical leaders of the future should evolve from the residents of today.
10. Kinderen imiteren hun ouders, studenten hun docenten en de meeste wetenschappers andere wetenschappers (IJseling).
11. Het krijgen van één dochter staat gelijk aan het verkrijgen van 3 geweldige presentjes; moeder, dochter en gezin. Fantastisch.