

University of Groningen

Revisiting the roles of hepatic inflammation and adipokines in metabolic disease

Gruben, Nanda

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:

2015

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

Citation for published version (APA):

Gruben, N. (2015). *Revisiting the roles of hepatic inflammation and adipokines in metabolic disease*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Stellingen behorende bij het proefschrift:

'Revisiting the roles of hepatic inflammation and adipokines in metabolic disease'

1. Leverontsteking draagt niet bij aan het ontstaan van insulineresistentie in de lever (*dit proefschrift; Aparicio Vergara et al., Hepatology 2013; Funke et al., Atherosclerosis 2014*).
2. De verhoogde plasma chemerinconcentraties bij patiënten met leververvetting zijn een gevolg van de veranderingen die optreden bij het metabool syndroom en dragen niet bij aan de progressie van leververvetting (*dit proefschrift*).
3. Bij het ontstaan van insulineresistentie is vetzucht belangrijker dan leververvetting (*dit proefschrift*).
4. Het bepalen van de glucose- en insulineconcentraties in het bloed is niet voldoende om systemische insulineresistentie aan te tonen (*dit proefschrift*).
5. Leververvetting is op zichzelf onvoldoende en geen voorwaarde voor het ontstaan van insulineresistentie in de lever (*dit proefschrift; Farese et al., Cell Metabolism 2012*).
6. 'Until a specific anti-inflammatory agent shows robust efficacy in humans, the role of tissue inflammation in causing insulin resistance in obese and type 2 diabetic subjects remains incompletely established' (*dit proefschrift; Johnson et al., Cell 2013*).
7. 'Prolonged unbroken sitting is a contributor to poor health' / 'stand up, sit less, move more, more often' (*Dunstan et al., Diabetes Research and Clinical Practice 2012*).
8. Negatieve resultaten zijn betrouwbaarder dan positieve resultaten (*The Economist, Trouble at the Lab 2013; Ioannidis, PLoS Med 2005*).
9. Negatieve resultaten worden zelden gepubliceerd, waardoor positieve effecten overschat worden (*Easterbrook et al., Lancet 1991*).
10. 'Learn from yesterday, live for today, hope for tomorrow. The important thing is to not stop questioning' (*Albert Einstein*).
11. 'A thinker sees his own actions as experiments and questions, as attempts to find out something. Success and failure are for him answers above all' (*Friedrich Nietzsche*).
12. 'If nothing we do matters, then all that matters is what we do' (*Tim Minnear*).