

## University of Groningen

### Signature of renal damage

Hijmans, Ryanne Sophia

**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:*

2019

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

*Citation for published version (APA):*

Hijmans, R. S. (2019). *Signature of renal damage: Studies on tissue remodeling*. Rijksuniversiteit 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

## **Signature of Renal Damage: Studies on Tissue Remodeling**

Ryanne S. Hijmans

1. Tissue remodeling as a signature of renal damage provides the opportunity to detect, monitor and prevent disease progression – *dit proefschrift*
2. Blood pressure independent mechanisms play an important role in aggravation of renal diseases by high dietary sodium intake – *dit proefschrift*
3. Modifications to heparan sulfate caused by a high sodium diet orchestrate tubulo-interstitial remodeling in the kidney – *dit proefschrift*
4. Dermal lymph vessel formation and loss of dermal sodium storage capacity are tissue remodeling responses, likely reflecting the response of the third compartment involved in sodium homeostasis – *dit proefschrift*
5. For the treatment of the downstream consequences of proteinuria there is no specific target in tubulointerstitial fibrosis, inflammation and lymphangiogenesis since these are rather independent tissue remodeling responses – *dit proefschrift*
6. Urinary collagen degradation products can already be found before the balance between renal fibrogenesis and collagen degradation is lost and could therefore be used as early markers for renal fibrosis – *dit proefschrift*
7. In chronic kidney disease, the group of functional biomarkers should be broadened with the more actionable metabolic biomarkers – *dit proefschrift*
8. Everything beyond the glomerulus can piss off – *Onbekend*
9. When you are curious, you find lots of interesting things to do – *Walt Disney*
10. The creation of a worldview is the work of a generation rather than of an individual, but we each of us, for better or for worse, add our brick to the edifice – *John Dos Passos*
11. Pass on what you have learned. Strength, mastery. But weakness, folly, failure also. Yes, failure most of all. The greatest teacher, failure is – *Yoda*
12. Je hebt meer aan een ons komedie dan aan een kilo verstand – *Jan Hijmans*