

Vacuolar H⁺-ATPase as target to restore cardiac function in the diabetic heart

Citation for published version (APA):

Wang, S. (2020). *Vacuolar H⁺-ATPase as target to restore cardiac function in the diabetic heart*. [Doctoral Thesis, Maastricht University]. Gildeprint Drukkerijen. <https://doi.org/10.26481/dis.20200908sw>

Document status and date:

Published: 01/01/2020

DOI:

[10.26481/dis.20200908sw](https://doi.org/10.26481/dis.20200908sw)

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

accompanying the dissertation

Vacuolar H⁺-ATPase as target to restore cardiac function in the diabetic heart

Shujin Wang

Maastricht, September 8, 2020

1. Vacuolar H⁺-ATPase integrates nutritional information in the heart (*this thesis*).
2. Assembly of vacuolar H⁺-ATPase is a suitable target to rebalance cardiac substrate utilization in the heart (*this thesis*).
3. Sugar prevents fatty acid uptake in the heart (*this thesis*).
4. Ketone bodies cause cardiac insulin resistance (*this thesis*).
5. Amino acid treatment is an effective therapy for the diabetic heart.
6. Physiology is the logic of life, and control mechanisms are the key to the regulation of this logic (*Lionel H. Opie, 1998*)
7. Metabolism is the common language interpreted by the different organs.
8. *Prof. Patrice D. Can's* slogan "**In Gut we Trust**" can be understood as a contribution of the gut to cardiac metabolic health.
9. 在生活中，我们尝试及努力后，无论结果与否，你至少收获了。
After we do our best at being our best, whatever the outcome there is always a benefit.
10. 不以物喜，不以己悲（*范仲淹*）。
Not become attached to material things, not to pity oneself (*Zhongyan Fan*).
11. 良好的性格似浩瀚海洋包罗万象，凝聚的团队犹如天空让我们像雄鹰自由翱翔。
Good personality is an ocean that contains countless creatures, and good team is a sky that allows us to fly freely, like an eagle.