

Regulation of skeletal muscle recovery

Citation for published version (APA):

Kneppers, A. (2018). *Regulation of skeletal muscle recovery: Implications for COPD*. ProefschriftMaken Maastricht. <https://doi.org/10.26481/dis.20181221ak>

Document status and date:

Published: 01/01/2018

DOI:

[10.26481/dis.20181221ak](https://doi.org/10.26481/dis.20181221ak)

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.

Stellingen behorend bij het proefschrift

'Regulation of skeletal muscle recovery – implications for COPD'

1. The anabolic and catabolic signaling pattern in skeletal muscle of clinically stable sarcopenic COPD patients reflects ongoing repair or remodeling. (*this thesis*)
2. A differential molecular expression pattern does not necessarily imply an impaired coordination of molecular processes. (*this thesis*)
3. Unhealthy lifestyle-related factors are associated with a delayed skeletal muscle remodeling response to pulmonary rehabilitation. (*this thesis*)
4. Postnatal myonuclear accretion contributes to plasticity of both muscle quantity and quality. (*this thesis*)
5. Adding dimensions to muscle research will be essential towards a deeper understanding of muscle maintenance.
6. A timely and timeless notion; Understanding complex signaling networks will provide a clear molecular view of the interactions of individuals with their environment. (adapted from *Weng et al. 1999 Science*)
7. Both clinical and basal skeletal muscle research should focus more on prevention instead of treatment of muscle pathologies.
8. The recent insight in the influence muscle fiber capillarization on the satellite cell response in elderly (*Snijders et al. 2016 JCSM*), urges a further exploration of this interaction during rehabilitation in patients with COPD.
9. Optimization and validation of *in vitro* skeletal muscle models contributes to replacement, reduction, and refinement of animals in research.
10. It is better to see science as a quest for good questions to try to answer, rather than a quest for bold hypotheses to try to refute. (*Glass et al. 2008 Cell*)