

# Tour d'AMPK

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Stellingen  
Behorend bij het proefschrift

Tour d'AMPK  
Glycogen–cytoplasmic cycling of AMP-activated protein kinase

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1. Autophosphorylation of threonine-148 precludes AMPK from binding to glycogen. *(dit proefschrift)*
2. It is the interplay between AMPK and glycogen that determines the phosphorylation status of  $\beta$ -threonine-148. *(dit proefschrift)*
3. The initial binding of AMPK $\beta$ 2 to glycogen is required for the association with R6. *(dit proefschrift)*
4. The combination of Fluorescence Lifetime Imaging Microscopy and Förster Resonance Energy Transfer is a useful tool for monitoring glycogen-localized AMPK activity. *(dit proefschrift)*
5. Research is an adventurous tour: if a path does not work or you get lost, only motivation and strength can make you take an alternative route.
6. Giving up on diabetes is simply not an option.
7. Active teaching and learning is the best provision for healthy ageing. *(adapted from Aristotle)*
8. In fundamental research a donor is of great importance.
9. Never underestimate the power of clustering all expertise of every single step in research for the benefit of the patient.
10. If you don't make your dreams come true, you remain just a dreamer. *(inspired by Marco Pierre White)*
11. Rechtdoor is niet altijd de snelste weg.

Yvonne Oligschläger  
27 november 2015