



# Laboratorium onderzoek naar vetzuuroxidatie- stoornissen

Prof. Dr. Riekelt Houtkooper

*Laboratory Genetic Metabolic Diseases*



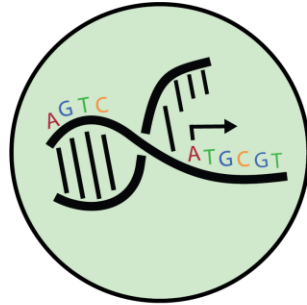
 @rhoutkooper

 Translational Metabolism

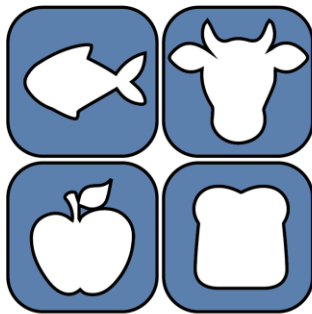


# Overzicht

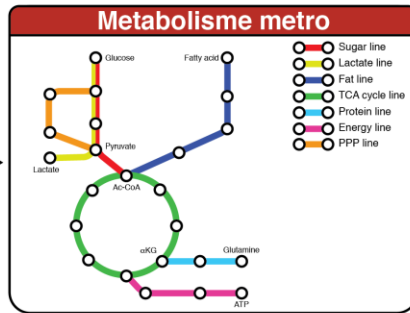
- Onderzoek in het laboratorium
- Het kweken van (huid)cellen in het laboratorium
- Het meten van vetzuuroxidatie
- Onderzoek naar hartcellen



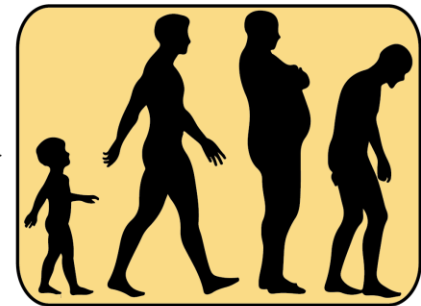
DNA regulatie



Voeding



Metabolisme



Metabole gezondheid



# Translationeel metabolisme



Erfelijke metabole ziekten



Veroudering



Worm



Muis



Mens





# Huidcellen





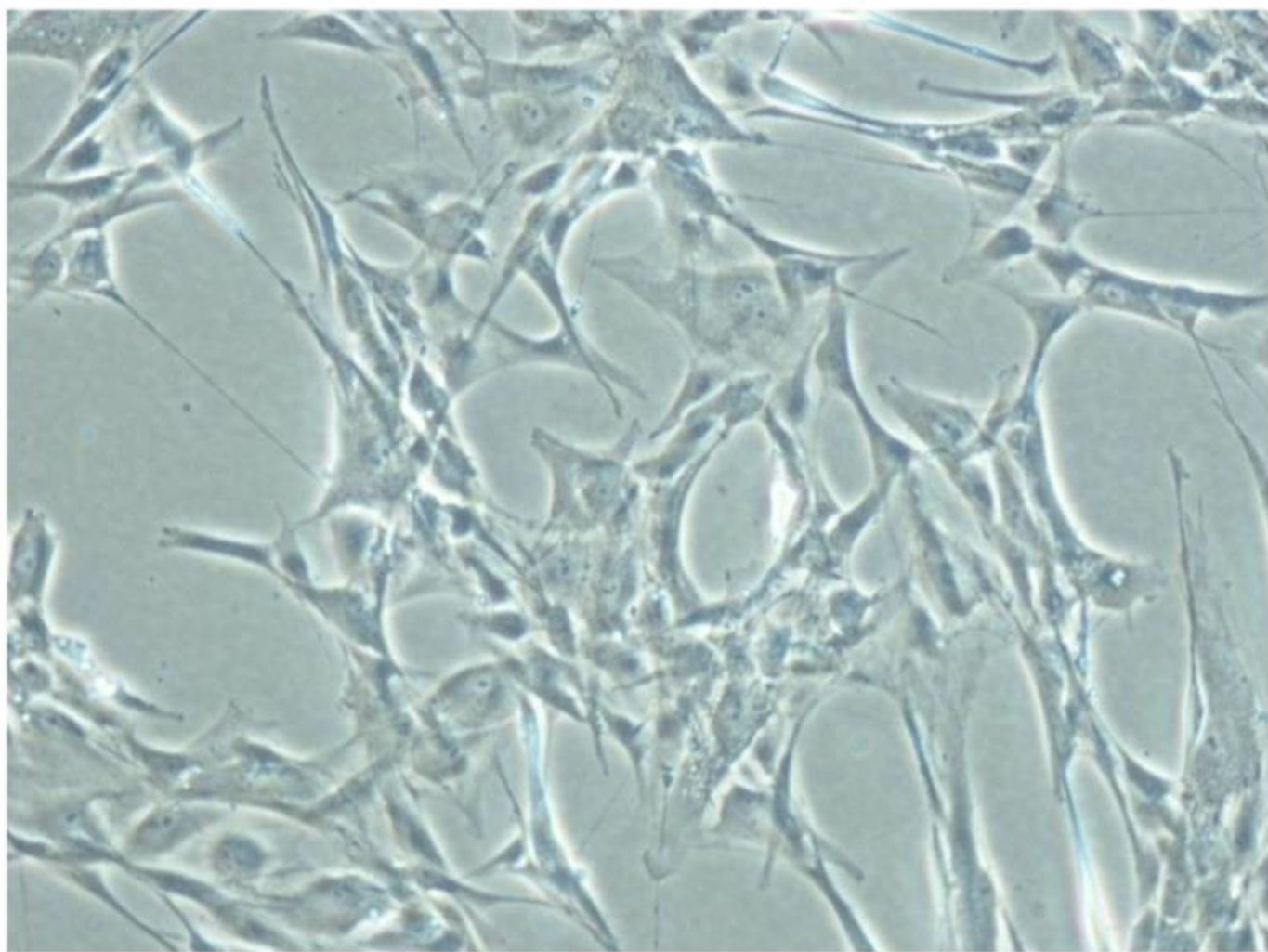






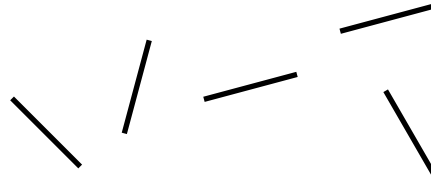
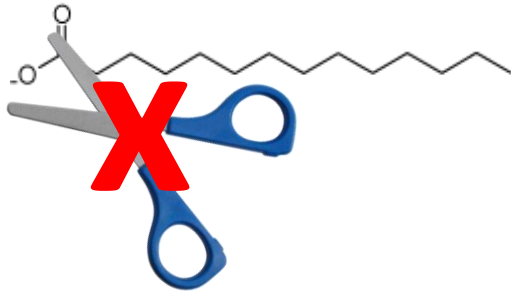






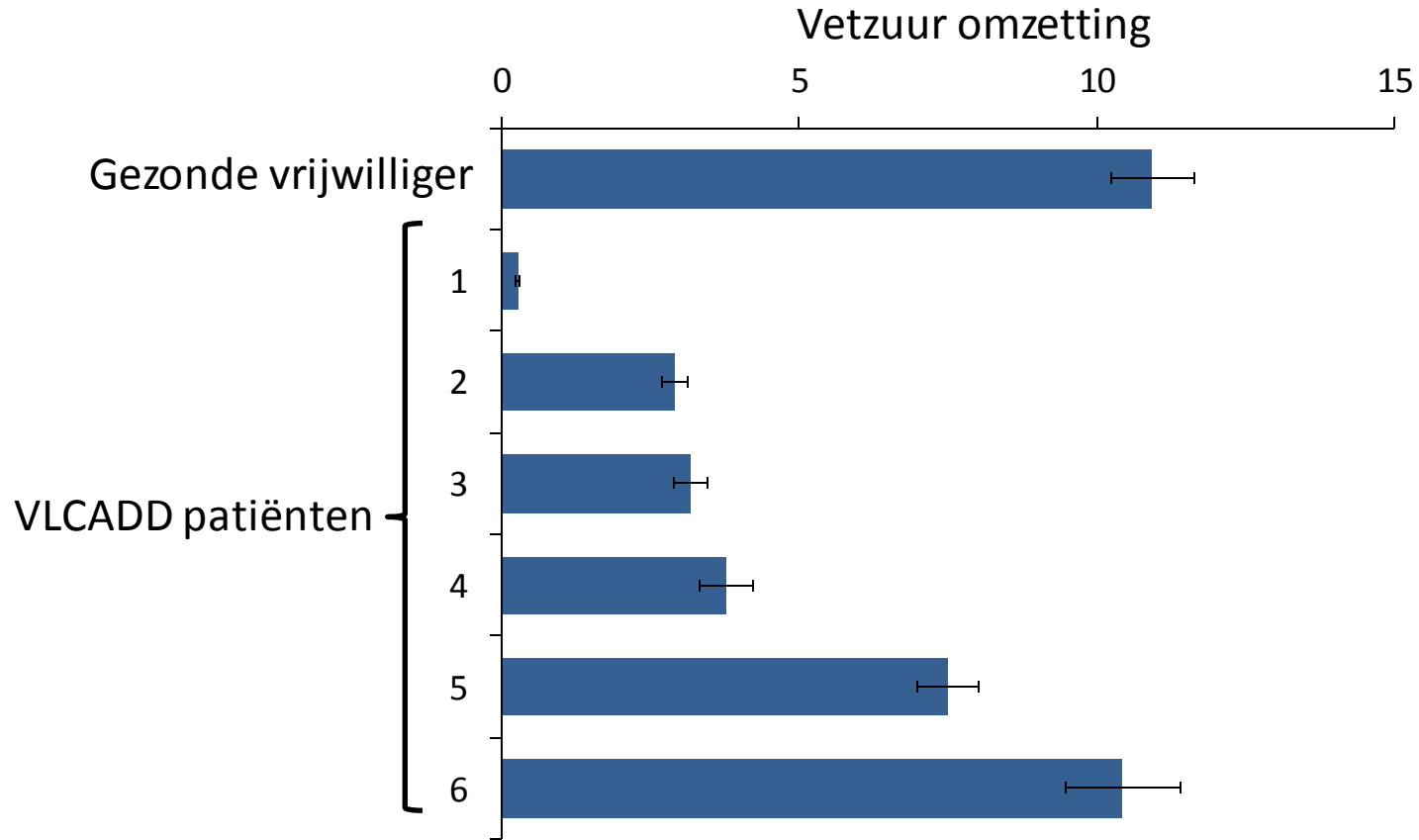


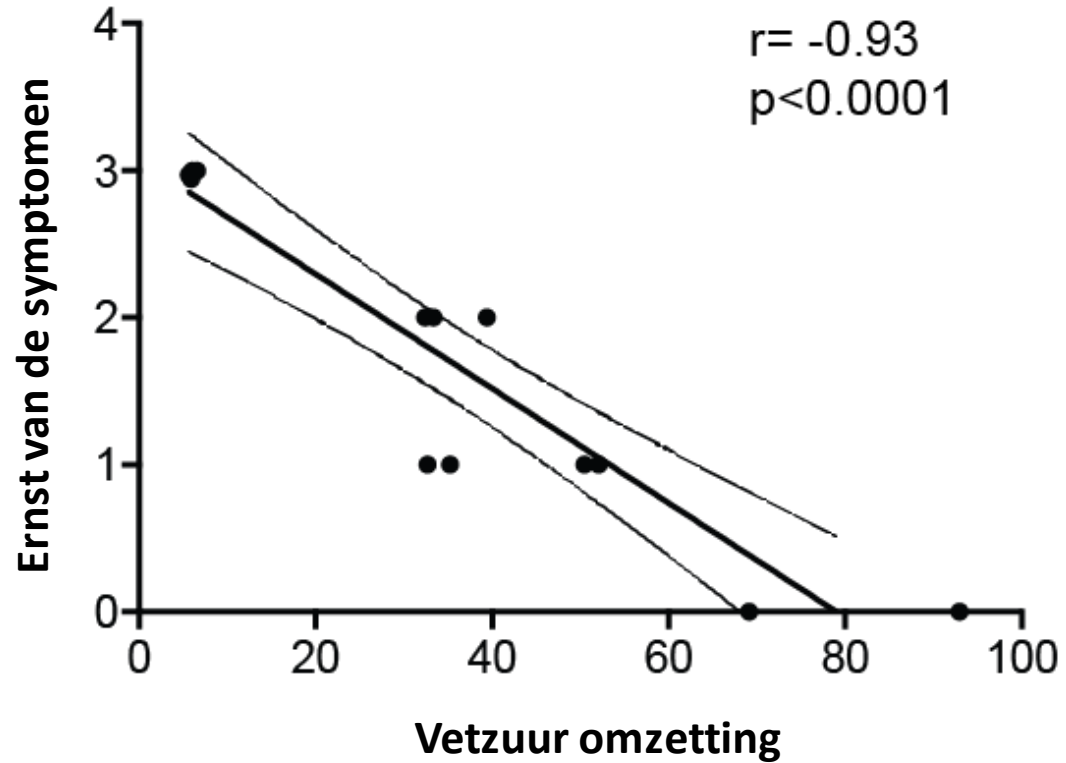
# Vetzuuroxidatie meten





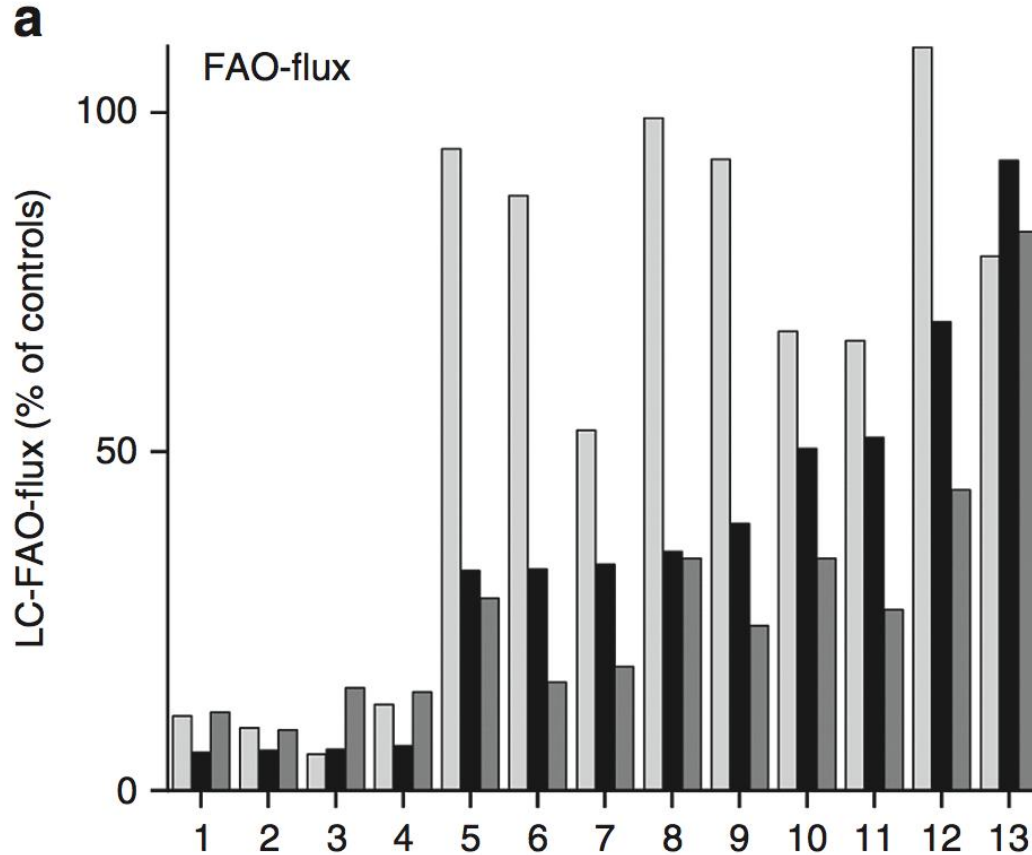
# Vetzuuroxidatie in cellen van patiënten







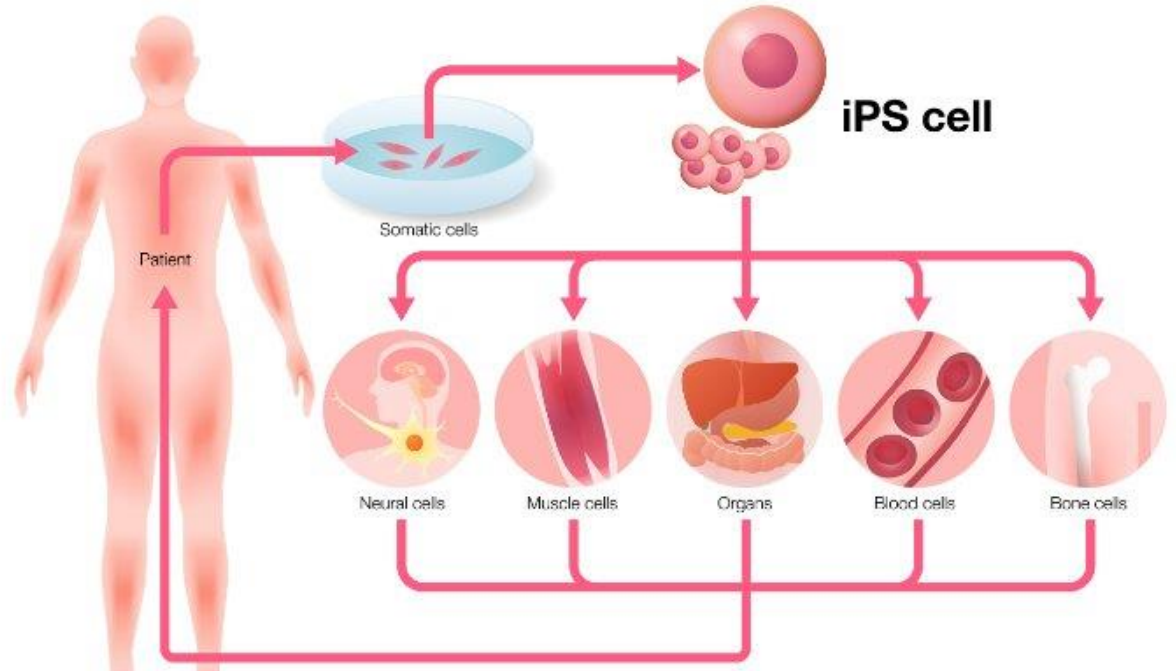
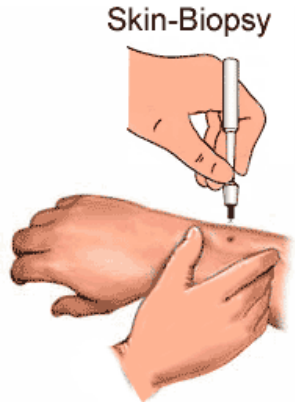
## Variatie in vetzuuroxidatie in cellen van patiënten



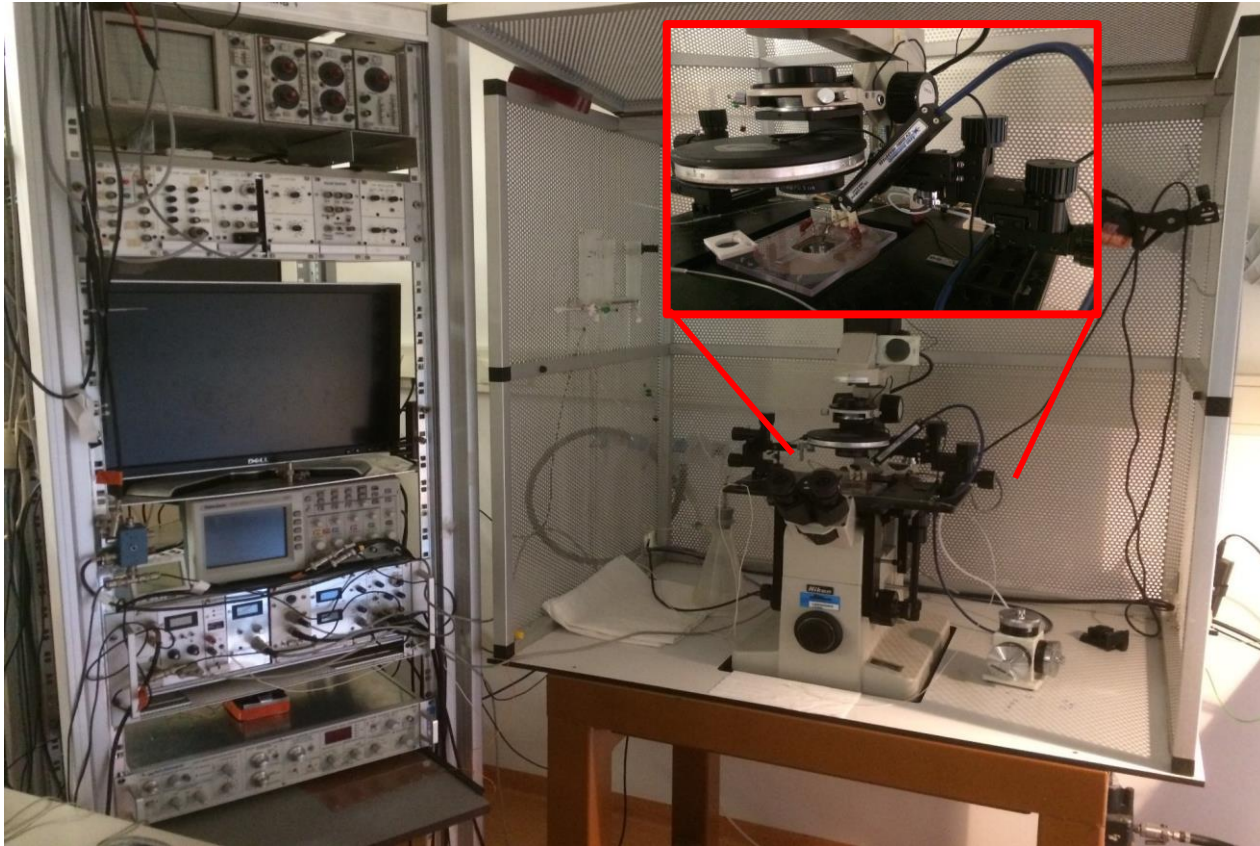




# Van huidcel naar hartcel

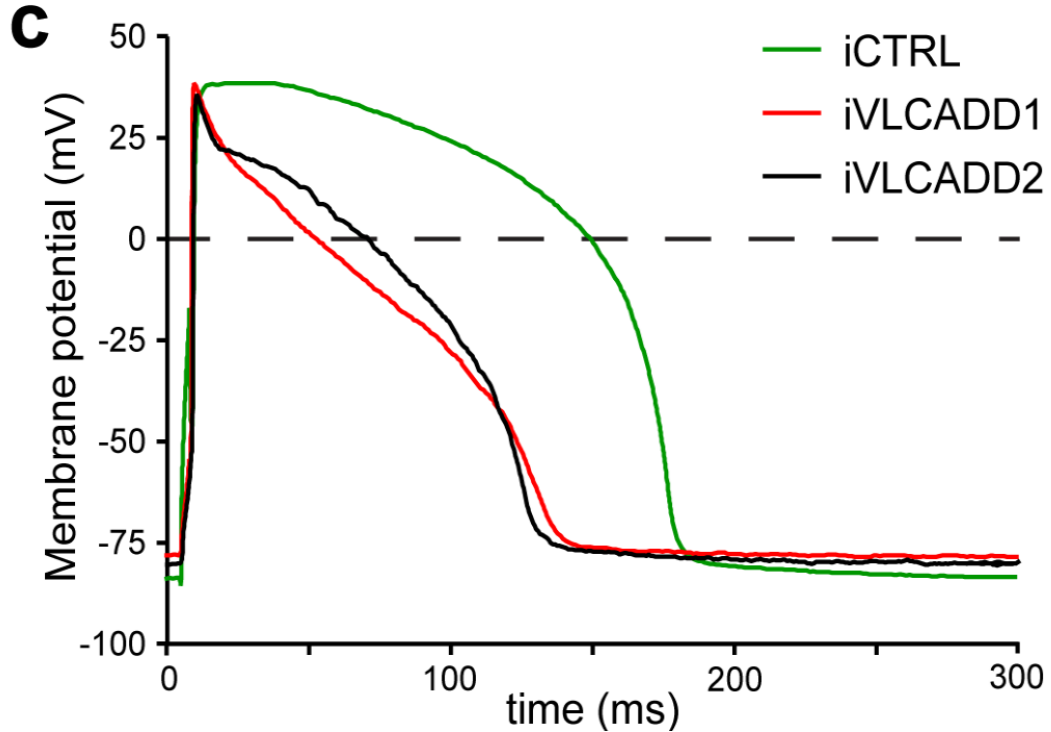








# Hartritme in gekweekte hartcellen





Vragen?