

Regulation of skeletal muscle oxidative phenotype by hypoxia - implications for COPD

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STELLINGEN

behorend bij het proefschrift

Regulation of skeletal muscle oxidative phenotype by hypoxia – implications for COPD

Ilse Slot, Maastricht, 8 oktober 2015

1. HIF-1 α expressie is essentieel voor de hypoxie-geïnduceerde inhibitie van PGC-1 α -afhankelijke PPAR transcriptionele activiteit. *(dit proefschrift)*
2. De rol van PGC-1 α in de daling van PPAR transcriptionele activiteit door hypoxische omstandigheden maakt het tot een interessant farmacologisch doelwit voor stimulatie van het oxidatief fenotype onder hypoxie. *(dit proefschrift)*
3. Zelfs milde hypoxemie wordt gekenschetst door een verlaagde type I vezelproportie in COPD patiënten. *(dit proefschrift)*
4. Ondanks het verlies van oxidatief fenotype in de beenspieren is de respons van oxidatieve genen op inspanning intact in patiënten met mild tot matig COPD. *(dit proefschrift)*
5. Wantrouwen van gepubliceerde resultaten is gecorreleerd met inzicht van statistische analyses.
6. Systemische aanwezigheid en de eigenschap van ‘multifocal targeting’ binnen signaaltransductie cascades maken microRNAs tot een interessant farmacologisch doelwit.
7. Hypoxie-gedreven bruining van wit vetweefsel en ‘verwitting’ van de ‘rode’ spier vormt een interessante paradox.
8. “Vroeg begonnen, veel gewonnen” dient het uitgangspunt te zijn in leefstijladvisering aan COPD patiënten in de eerste lijn. *(valorisatie addendum)*
9. The most exciting phrase to hear in science, the one that heralds new discoveries, is not ‘eureka!’ but ‘that’s funny...’ – *Isaac Asimov*