

No time to waste : a glycogen synthase kinase-3 β - glucocorticoid receptor signaling axis illuminated

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STELLINGEN

behorend bij het proefschrift

No time to waste: a glycogen synthase kinase-3 β - glucocorticoid receptor signaling axis illuminated

Koen J.P. Verhees, Maastricht, 19 juni 2013

1. De regulatie van proteolytische signalering in de spiercel door GSK-3 β vereist niet enkel zijn gekende katalytisch centrum. *(dit proefschrift)*
2. Preventie van zowel starvatie- als acute longontsteking-geïnduceerd spiermassaverlies door remming van GSK-3 β berust op de glucocorticoidafhankelijkheid van deze vormen van spieratrofie. *(dit proefschrift)*
3. De GSK-3 β - GR signaleringsas controleert FoXO-gedreven proteolytische genexpressie. *(dit proefschrift)*
4. Non-canonical FoXO regulatie is in staat de fosforylatie-gemedieerde inactivatie van FoXO te overstemmen. *(dit proefschrift)*
5. Spiermassabehoud staat of valt met een uitgebalanceerde GSK-3 β activiteit.
6. GSK-3 β is een aantrekkelijk therapeutisch doelwit omdat het zich onderscheidt van de meeste andere kinases door zijn constitutief actieve karakter.
7. Wil men oprecht een strijd voeren tegen de opwarming van de Aarde, dan is enig causaliteitsbesef wel van belang.
8. Meer blauw in het lab trekt de "Ontspoorde wetenschap" niet recht.
9. Een geslaagde Western blot begint bij de afwas.
10. Een goed bier dient te rijpen.
11. The meeting of two personalities is like the contact of two chemical substances: if there is any reaction both are transformed. *(Carl Jung)*