

Redox regulation in pulmonary fibrosis

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PROPOSITIONS

Belonging to the PhD thesis entitled:

Redox regulation in pulmonary fibrosis: towards therapeutic targets

Carmen Veith
Maastricht, 2019

1. Redox regulation is more than just scavenging excessive ROS, it is about maintaining the balance between oxidant production and neutralization (this thesis).
2. The antioxidant quercetin does not only exert its beneficial effects by scavenging reactive oxidant species, but rather through the formation of quercetin quinones which activate Nrf2-induced antioxidant genes (this thesis).
3. It is impossible to find the right dose of an antioxidant to protect against the harmful effects of ROS without interfering with physiological ROS signaling (this thesis).
4. IPF patients deserve more efficient, tailored treatment options than the ones that are currently available (this thesis).
5. Individual members of the SRC kinase family are involved in different fibrotic pathways and thus mediate different aspects of IPF (this thesis).
6. NOX4 and SRC family kinases exert reciprocal actions which may be cell-specific.
7. We are simultaneously close and nowhere near understanding IPF pathophysiology.
8. The development of novel therapies for IPF has been hampered by the use of inadequate models to study age-related features associated with the disease.
9. Good communication is just as stimulating as black coffee and just as hard to sleep after (Anne Morrow Lindbergh).
10. Die besten Ideen kommen meistens, wenn man nicht darüber nachdenkt.
11. Science is not a boy's game, it's not a girl's game. It's everyone's game (Nichelle Nichols).