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Orphan nuclear receptor TR4 and fibroblast growth factor 1 in metabolism

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Stellingen

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Orphan Nuclear Receptor TR4 and Fibroblast Growth Factor 1 in Metabolism

1. FGF1's independent anti-steatotic and anti-inflammatory effects on the liver favour therapeutic applications against non-alcoholic fatty liver disease (This thesis).
2. Transient stimulation of hepatic lipid secretion by FGF1 together with its sustained glucose lowering effects indicates different underlying mechanisms that will result in therapies with long administration intervals, a sustained glucose regulation and a low risk of hyperlipidemia. (This thesis).
3. As a PPAR γ downstream target, the anti-diabetic activities of FGF1 are more specific and will have fewer side effects as compared to PPAR γ agonists such as thiazolidinediones (This thesis).
4. The occurrence of obesity and hyperinsulinemia is a chicken and egg question (This thesis).
5. Orphan nuclear receptor TR4 in pancreatic β -cells regulates insulin production, secretion and thus whole-body glucose homeostasis (This thesis).
6. Identification of a ligand for orphan nuclear receptor TR4 could yield a novel therapy for type 2 diabetes (This thesis).
7. Research is like an onion. You peel it off one layer at a time, and sometimes you weep (Weilin Liu, adapted from Carl Sandburg).
8. Whether we interpret results as positive or negative depends on one's expectation and not on the results themselves (Weilin Liu).
9. Learning without thought is labor lost, thought without learning is perilous (Confucius; 子曰：学而不思则罔，思而不学则殆).
10. When I walk along with two others, they may serve me as my teachers. I will select their good qualities to follow and their bad qualities to avoid (Confucius; 子曰："三人行，必有我师焉；择其善者而从之，其不善者而改之).
11. A setback may turn out to be a blessing in disguise (Liu an; 淮南子·人间训：塞翁失马，焉知非福).
12. Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution (Albert Einstein).
13. The beautiful memory you give to your kids will become their enormous power and strength in their future life (my wife).

Weilin Liu. 19th October, 2016