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## Disorders of bilirubin and lipid metabolism

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# STELLINGEN

Behorende bij het proefschrift

## **Disorders of bilirubin and lipid metabolism**

*Models and targets of intervention*

1. Activation of LXR and FXR is not a panacea for all metabolic conditions.
2. The use of heterozygous Gunn rats as normobilirubinemic controls is only justifiable under conditions leading to profound changes in severe unconjugated hyperbilirubinemia (*this thesis*).
3. TICE  $\neq$  TIBE: Transintestinal cholesterol excretion is not identical to transintestinal bilirubin excretion (*this thesis*).
4. The peroxisomal membrane protein 4 (PXMP4) does not exert an indispensable function in the peroxisome under physiological or PPAR $\alpha$ -stimulated conditions (*this thesis*).
5. PXMP4 is not critically involved in transintestinal cholesterol excretion (*this thesis*).
6. A short-term dietary protein restriction at advanced age has the potential to improve aspects of metabolic health (*this thesis*).
7. The interaction between bilirubin and the nuclear receptor family of PPARs could be key to the protective metabolic functions of bilirubin and may provide a promising clinical strategy in humans (*Adapted from Hammoud et al. 2018, Creeden et al. 2021*).
8. The most exciting phrase in science is not 'Eureka!' but 'That's funny...'  
(*Isaac Asimov*).
9. Je moet gewoon niet te diep nadenken. Dan klopt alles (*Herman Finkers*).