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## Gut microbiota and nuclear receptors in bile acid and lipid metabolism

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# Stellingen

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## **Gut microbiota and nuclear receptors in bile acid and lipid metabolism**

Carolien Out, Augustus 2014

1. The liver receptor homolog-1 is critical for adequate upregulation of Cyp7a1 gene transcription and bile salt synthesis during bile salt sequestration – *This thesis*
2. Gut microbiota inhibit ASBT-dependent intestinal bile acid reabsorption via GATA4 and thereby increase bile acid synthesis – *This thesis*
3. Gut microbiota, particularly of the *Firmicutes* phylum, contribute to bile acid and glucose homeostasis in humans – *This thesis*
4. Prednisolone increases enterohepatic cycling of bile acids by induction of Asbt and promotes reverse cholesterol transport – *This thesis*
5. LRH-1 plays a central role in hepatic triglyceride metabolism – *This thesis*
6. Fgf15 is transported from the enterocyte to the circulation via lymph
7. Hoe minder je van medische wetenschap weet, hoe groter je vertrouwen is – *Wil den Hollander*
8. Wie een hoge berg heeft beklommen, ontdekt dat er nog veel meer hogere bergen zijn die beklommen kunnen worden – *Nelson Mandela*
9. Tenzij je vrede sluit met wie je bent, zul je nooit tevreden zijn met wat je hebt – *Doris Mortman*
10. Choose to be optimistic, it feels better – *Dalai Lama XIV*
11. Tijd heb je niet, tijd maak je