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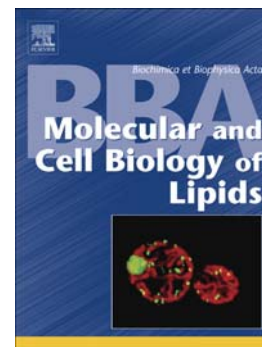
Liver disease alters high-density lipoprotein composition, metabolism and function

Markus Trieb, Angela Horvath, Ruth Birner-Gruenberger, Walter Spindelboeck, Vanessa Stadlbauer, Ulrike Taschler, Sanja Curcic, Rudolf E. Stauber, Michael Holzer, Lisa Pasterk, Akos Heinemann, Gunther Marsche

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Liver disease alters high-density lipoprotein composition, metabolism and function

Short title: Cirrhosis alters HDL metabolism and function

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Highlights

- Liver disease suppresses several enzymes involved in HDL maturation and metabolism
- Cirrhosis alters composition and structure of HDL, the formation of lipid-poor HDL is profoundly suppressed in liver disease.
- Anti-inflammatory activity of apoB-depleted serum is linked to low HDL levels and compositional alterations of HDL
- Cholesterol efflux capability of apoB-depleted serum, an integrated measure of HDL quantity and quality, predicts liver disease mortality.

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