

3-week Ultra fast NASH mouse model

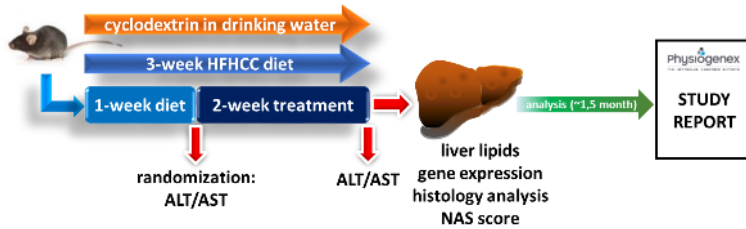
✓ A fast, costless nutritional mouse model, to rapidly evaluate your compounds targeting (NASH)

Key benefits

- ✓ **Get a deep evaluation** (biochemistry, histology and NAS score) of your compounds targeting NASH **within 2 months**
- ✓ **1 week diet-induction and 2 weeks treatment to evaluate the impact of your drug vs. benchmark:**
Our unique nutritional model **develops NASH features** like high ALT/AST levels, increased liver lipids, severe inflammation, perisinusoidal fibrosis **within 3 weeks**

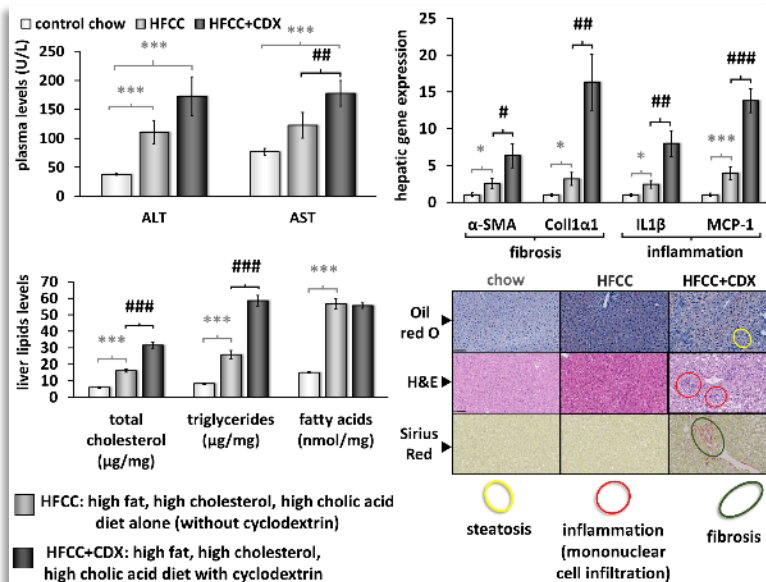
ANIMAL MODEL

- **Background strain:** C57BL/6J mouse
- **In-house Ultra-fast NASH diet:** 60% high fat diet supplemented with cholesterol/cholic acid (HFCC)+ cyclodextrin in drinking water (HFCC+CDX)
- **Study duration:** 3 weeks
- **Reference compounds:** ezetimibe (intestinal cholesterol absorption inhibitor), liraglutide (GLP-1 receptor agonist)



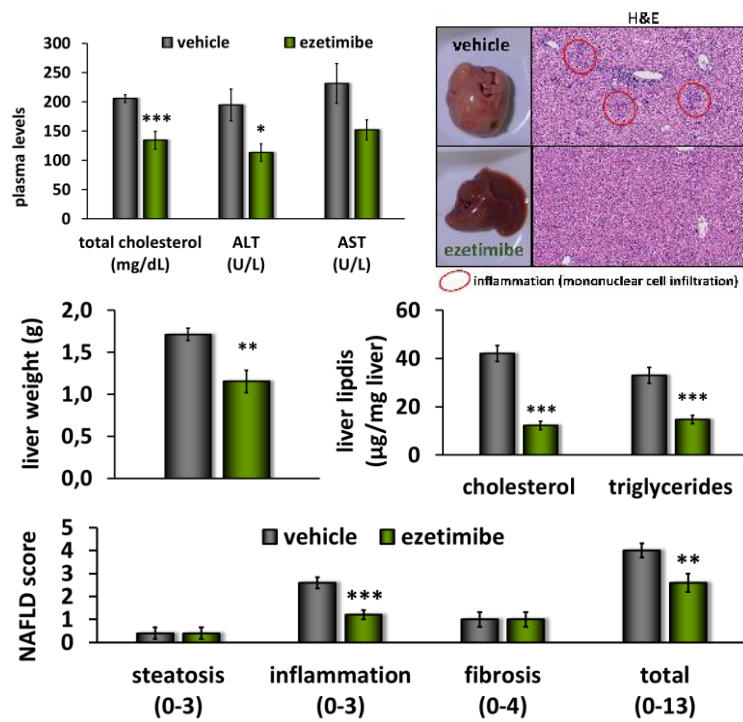
CHARACTERISTICS AFTER 3 WEEKS OF DIET

ULTRA-FAST NASH DIET (HFCC+CDX) PROMOTES LIVER LIPIDS ACCUMULATION, INFLAMMATION AND FIBROSIS

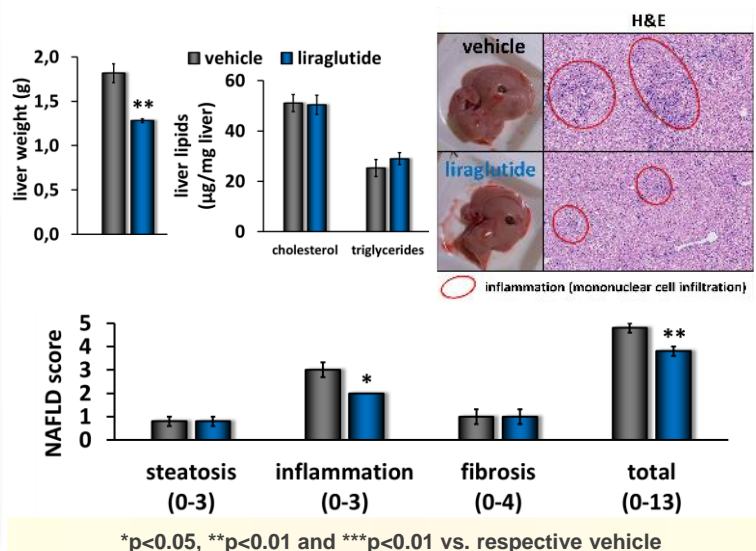


CHARACTERISTICS AFTER 2 WEEKS TREATMENT

EZETIMIBE REDUCES HYPERLIPIDEMIA AND IMPROVES NAS SCORING THROUGH REDUCED INFLAMMATION



LIRAGLUTIDE IMPROVES NAS SCORING BY REDUCING INFLAMMATION, INDEPENDENTLY FROM LIPID LOWERING



*p<0.05 and ***p<0.01 vs. control chow, #p<0.05, ##p<0.01 and ###p<0.001 HFCC+CDX vs. HFCC

*p<0.05, **p<0.01 and ***p<0.01 vs. respective vehicle