

The Diet-Induced NASH/fibrosis obese mouse

✓ A fast, costless nutritional mouse model to evaluate your drugs targeting NASH in the context of obesity and insulin resistance

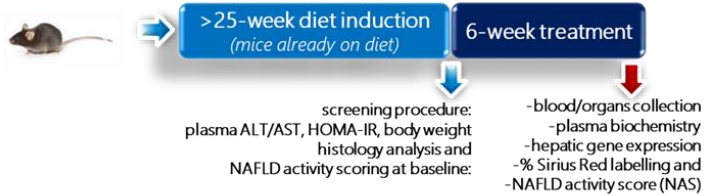
Key benefits

- ✓ **Get a complete evaluation** (biochemistry, histology and NAScore) of your compounds targeting NASH in the context of obesity and insulin resistance
- ✓ **6 weeks treatment to evaluate the impact of your drug vs. benchmarks**
We provide mice cohorts already on diet – our nutritional approach ensures a robust induction of obesity, NASH and portal (score 2) fibrosis and avoid the need for liver biopsies to select animals with the right phenotype

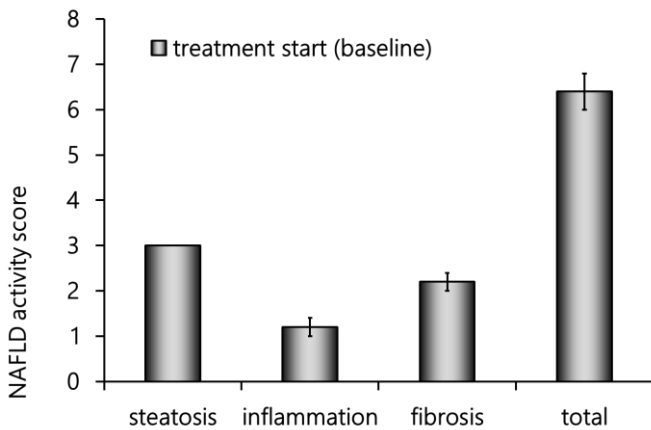
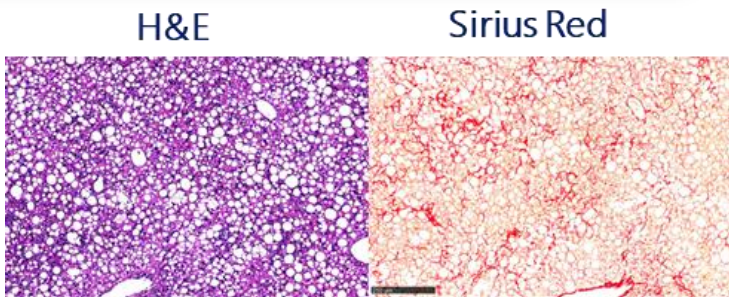
ANIMAL MODEL

- **Background strain:** C57BL/6J mouse
- **Our original diet-induced NASH:** 60% high fat diet supplemented with cholesterol + 10% fructose in drinking water
- **Study duration:** 6 weeks
- **Reference compounds:** elafibranor, obeticholic acid, semaglutide

8-week old, male, C57BL6/J mice

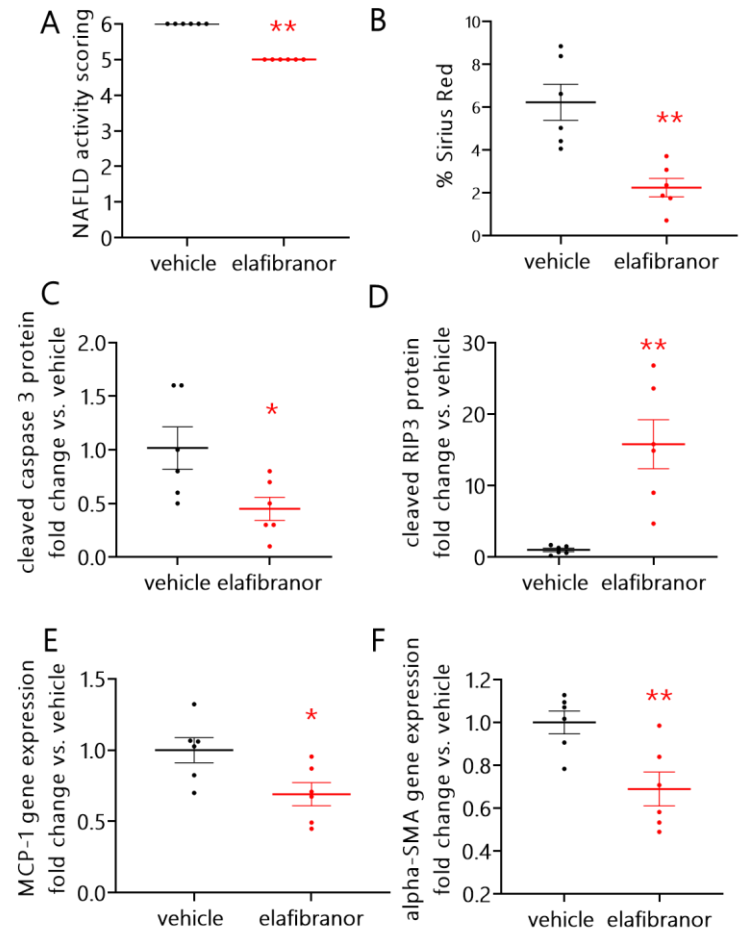
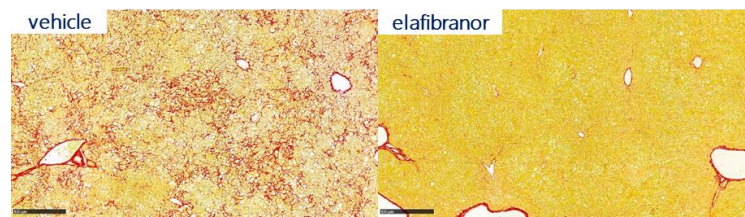


BASELINE CHARACTERISTICS AT TREATMENT START



Representative H&E and Sirius Red staining (upper panel) and NAFLD activity score (lower panel) in mice fed with a 60% high fat + 2% cholesterol diet and 10% fructose in drinking water for 25 weeks.

6-WEEK TREATMENT WITH ELAFIBRANOR IMPROVES NASH, LIVER CELL DEATH AND FIBROSIS



Representative Sirius Red pictures (upper panel), NAFLD activity score (A) liver % Sirius Red labelling (B), hepatic cleaved caspase 3 (C), a marker of apoptosis, and cleaved RIP3 (D), a marker of necroptosis, protein levels, hepatic MCP-1 (E) and alpha-SMA (F) gene expression in mice treated for 6 weeks with vehicle or elafibranor. *p<0.05, **p<0.01 and ***p<0.001 vs. vehicle.