



Obesity/Hyperlipidemia

Scope of application

- Obesity and hyperlipidemia are common medical problems.
- We use the following models to study weight lowering effects and anti-lipidemic effects of drugs.
- We also use these models to analyse mechanisms of atherosclerosis.

Models

Hyperlipidemia (genetic models)	We use the apoE deficient mouse. Under a high fat diet this mice develop severe arterial lesions.
Diet induced hyperlipidemia	In wild type mice a high fat diet leads to hyperlipidemia, but arteriosclerotic lesions are not very prominent.
Obesity (genetic models)	The apoE mice and the db/db and ob/ob mice as well as fa/fa rats develop obesity. In the last three models ot is due to a defect in the leptin system.
Diet induced obesity	We have used a high fat diet to induce obesity.