

**Laboratory:** Adipose Tissue Biology

**Speaker:** Martin Rossmeisl, Kristína Bardová

**Topic:** Effects of n-3 fatty acid supplementation on non-alcoholic fatty liver disease in obesity

**Annotation:**

Prevalence of non-alcoholic fatty liver disease (NAFLD) increases with obesity. Polyunsaturated fatty acids of n-3 series (omega-3) are known for their hypolipidemic and anti-inflammatory effects. Clinical trials indicate varying effectiveness of omega-3 in the treatment of NAFLD, without affecting advanced stages such as non-alcoholic steatohepatitis. Preclinical studies suggest that the lipid class used to supplement omega-3 may determine the extent and nature of their effects on metabolism.