

Title

The body's fattest cell. A study of adipose tissue, metabolism and genetics.

Lecturer

Name	Luna Isabella Wassini
Education programme	Biomedicine

Introduction to class

Dear student

In this class, you will work with some of the biochemical processes that relate to adipose tissue. Adipose tissue is the body's largest energy store, so the teaching will focus on how fat from the diet is transported to storage in the adipose tissue. Additional focus will be on how fat is released when the body needs energy.

You may have heard of healthy fats? In this class, you will gain a deeper knowledge of the various fat depots, the structure of the fat cell (including what characterises brown and white fat cells) and the properties of the fat cell. In addition, an understanding of what happens to the adipose tissue and thus also the fat cells when excess weight occurs.

In this class you will also be introduced to genetics, and you will be allowed to investigate for yourself what can happen to the gene expression at RNA level in mice when excess weight and fatty liver have occurred.

The aim of the teaching is for you to gain new knowledge and a deeper understanding of adipose tissue, metabolism and genetics.

Preparation (equivalent to max. 15 minutes of preparation time)

There is no preparation for the class.