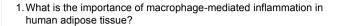


Topics

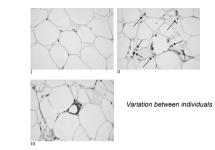
Importance of macrophages in human adipose tissue Adipose tissue biopsies were collected in > 140 individuals (lean/obese/diabetes) and were characterized

Adipose tissue characteristics

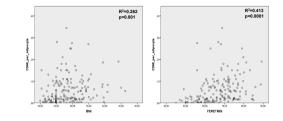


2. What are the mechanisms underlying the pro-inflammatory activation of adipose tissue ?

3. What can we do with this knowledge?



CD68 staining to visualize macrophages

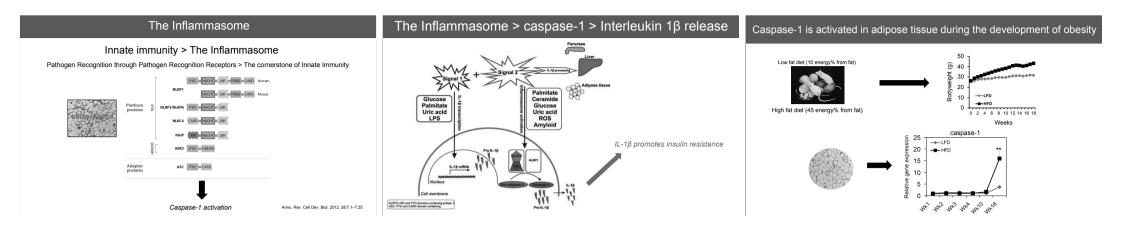


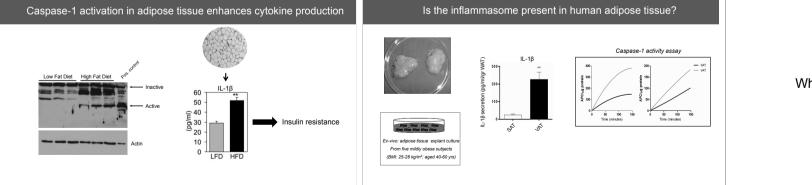
Positive association of the number of macrophages with BMI and adipocyte size

Adipose tissue inflammation in humans

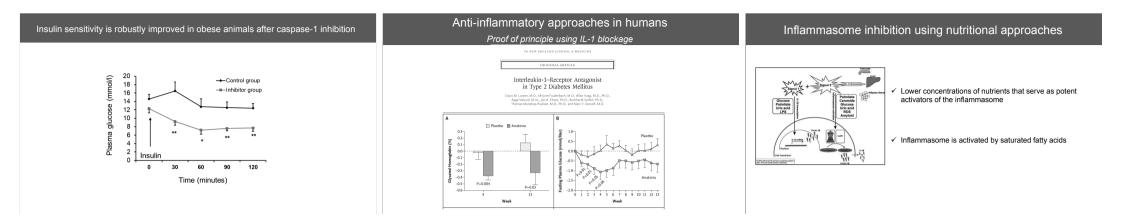
Inflammatory score of the adipose tissue

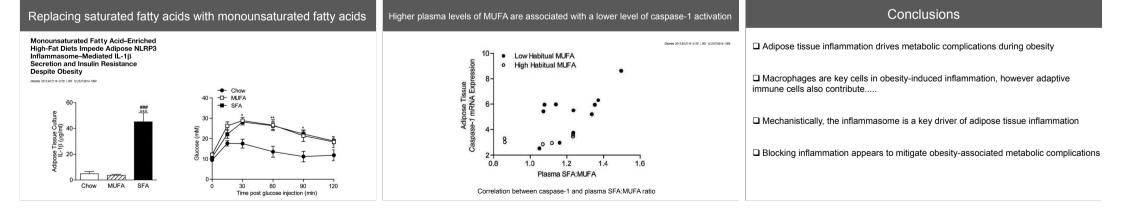
What are the mechanisms underlying the proinflammatory activation of adipose tissue ?





What can we do with this knowledge?





To consider	Acknowledgements
 Do all obese individuals develop a chronic inflammatory state of the adipose tissue? Healthy versus unhealthy obese phenotypes? Reversibility of the chronic inflammatory state of the adipose tissue? How do frequent fluctuations in bodyweight impact on adipose tissue inflammation? 	RadboudumImage: ConstraintsSander KerstenDisplayed Sander Kersten- Cees Tack - Log Joosten - Sonder Kersten- Annte van Dierendonck - Liy Boutens - Sander KerstenDutch Diabetes Research Foundation- Mihai Netea- Sander Kersten- Diabetes Research Foundation