



# Immune profiling of adipose tissue in murine models of inflammatory bowel disease

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# Crohn's Disease and Creeping Fat

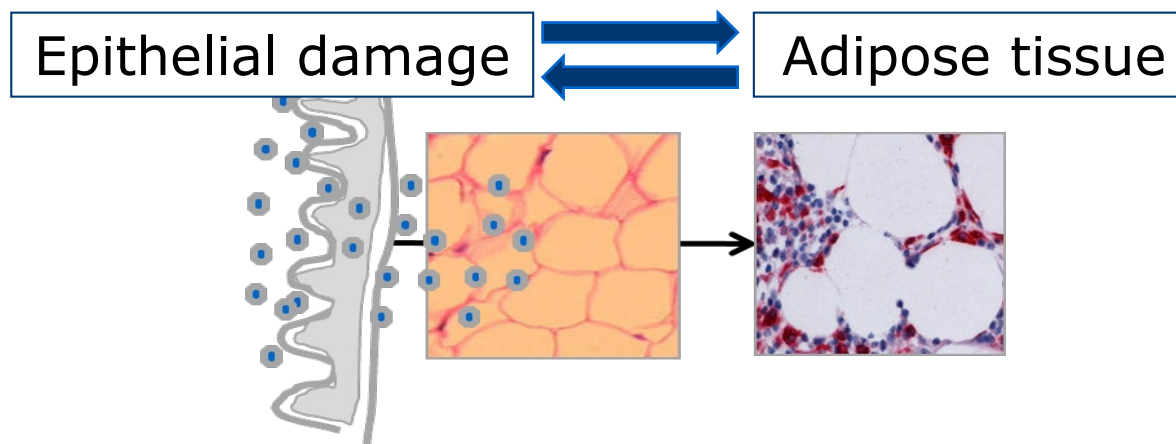
Introduction

Methods

Results

Conclusions

## Mass cytometry profiling of adipose tissue immune cells in murine models of inflammatory bowel disease



# Mass cytometry profiling of adipose tissue immune cells

Introduction

Methods

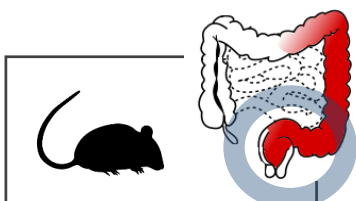
Results

Conclusions

Models

Cell isolation/ staining

Measurement and Analysis



Acute/ Chronic  
DSS-induced  
colitis



Casp8 $\Delta$ IEC-  
induced ileitis

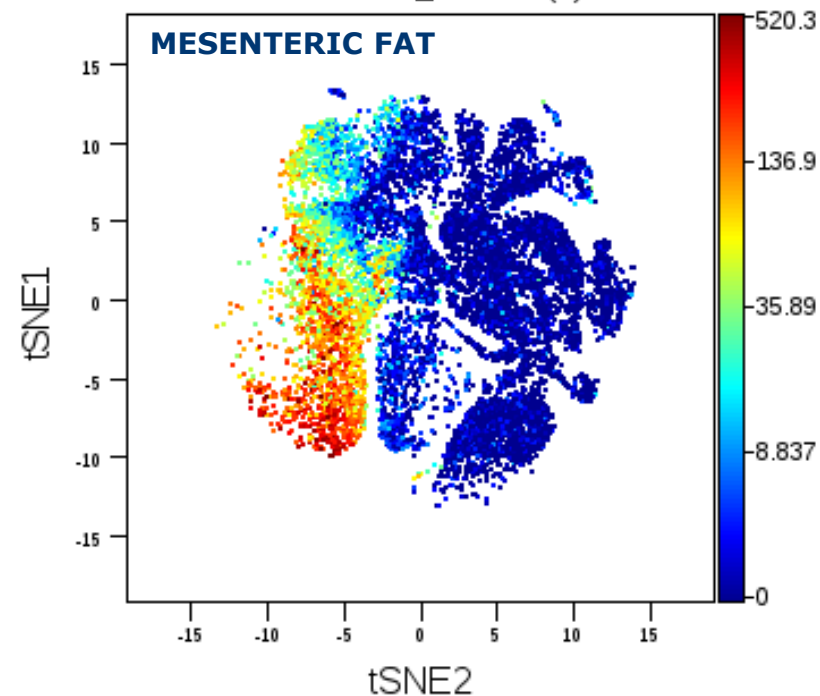
Isolation of  
immune cells  
from  
colon lamina  
propria and  
mesenteric fat

Characterization  
of immune cells  
by  
Mass cytometry

## viSNE

visualization of high-dimensional single-cell data  
based on the t-Distributed Stochastic Neighbor Embedding (t-SNE) algorithm

z: 142Nd\_CD206 (v)



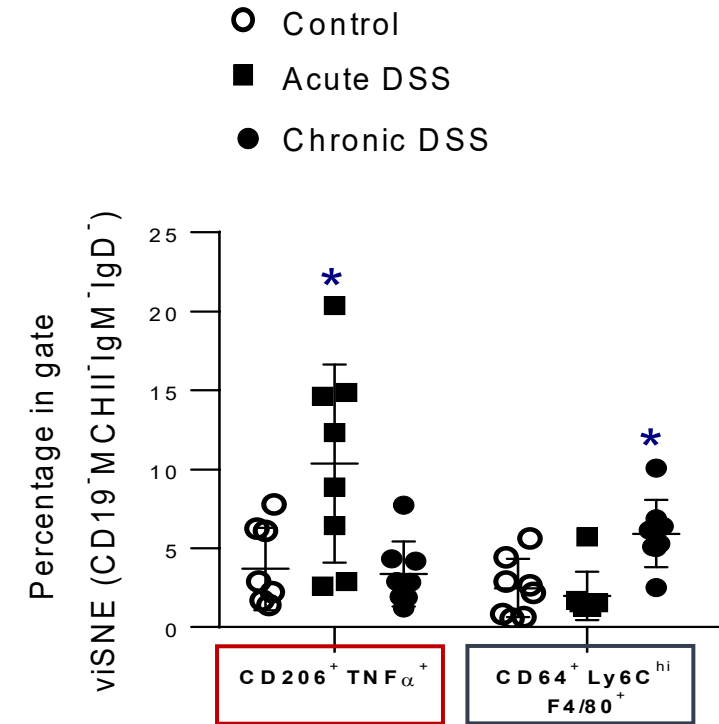
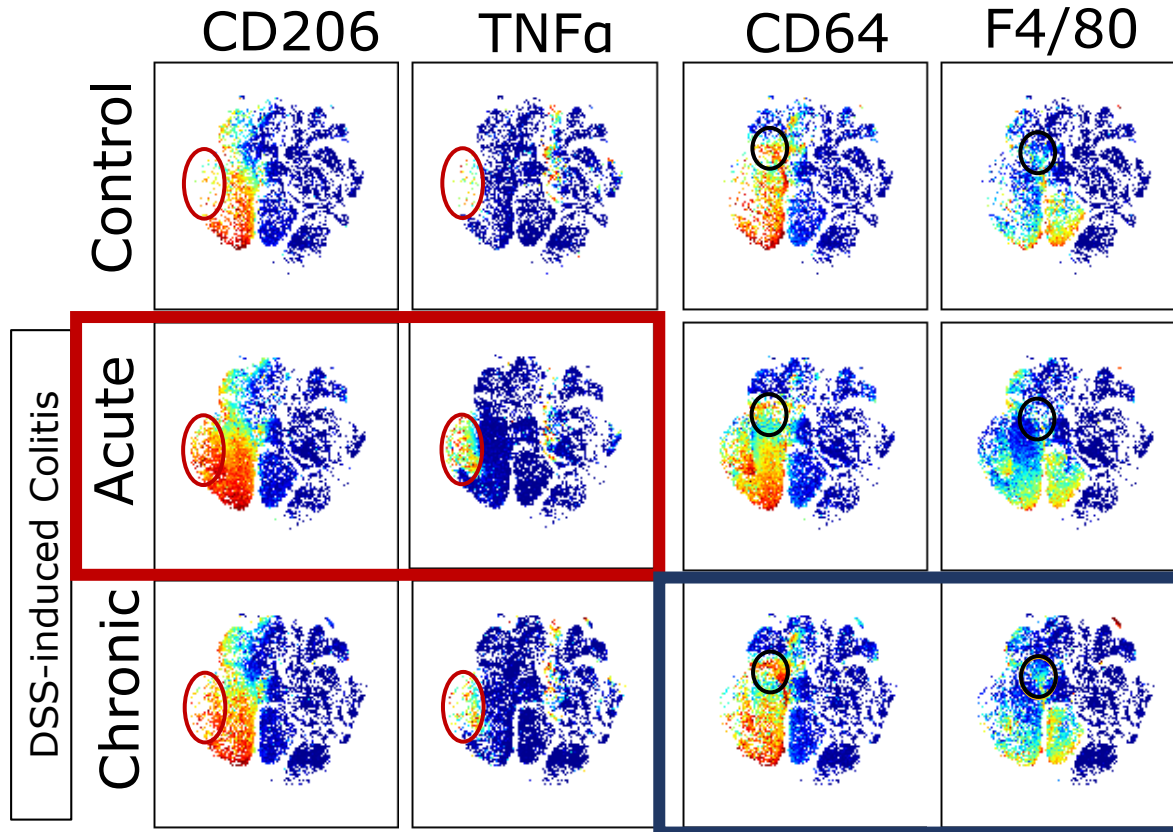
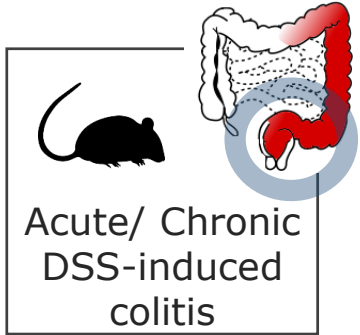
# Mesenteric Fat immune cell in DSS-induced colitis

Introduction

Methods

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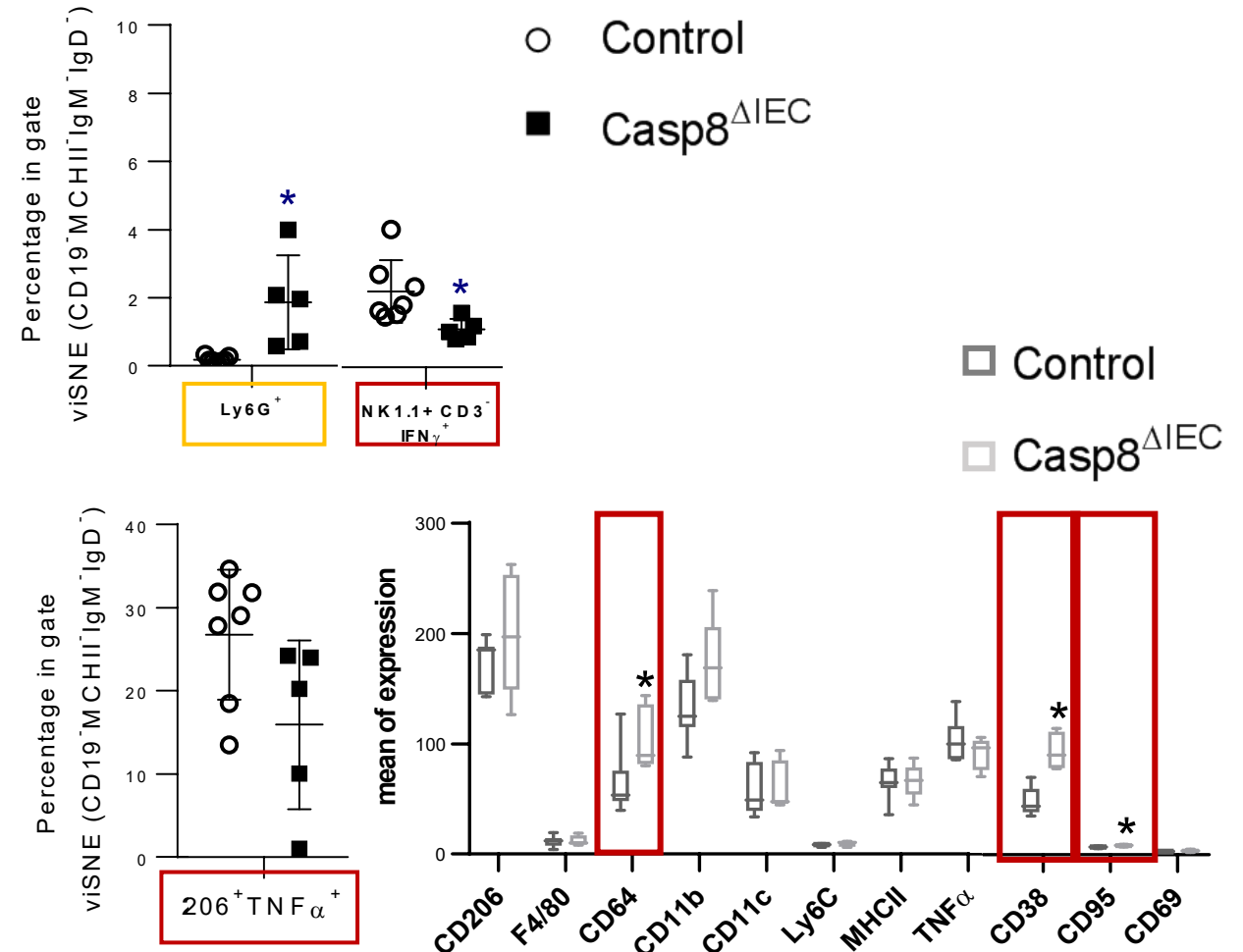
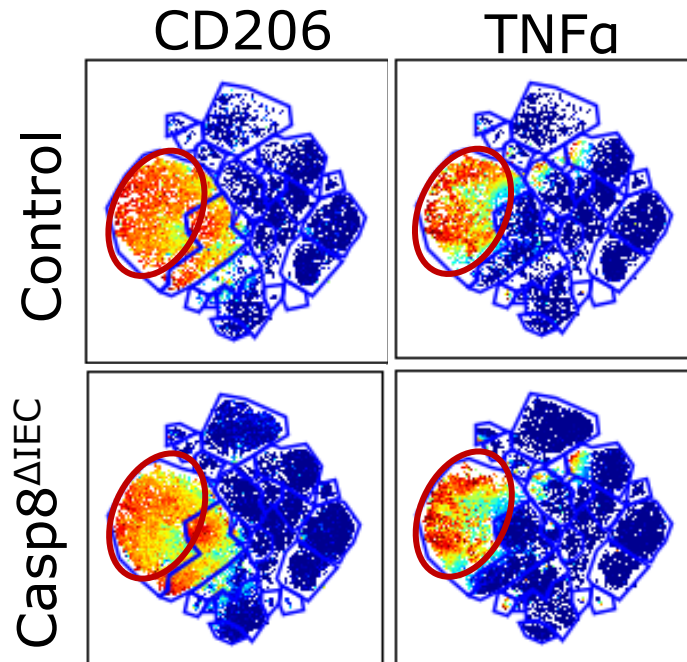
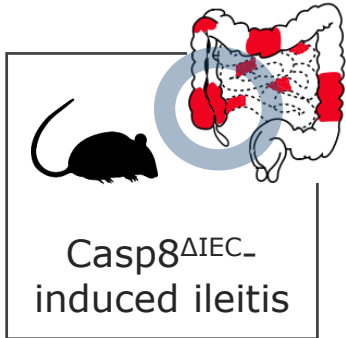
# Mesenteric Fat immune cell in $\text{Casp8}^{\Delta\text{IEC}}$ -induced ileitis

Introduction

Methods

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Conclusions





# THANK YOU!



## **AG Siegmund/Weidinger**

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**TRR 241**  
IEC in IBD