

## Table of contents

Chapter 1 General introduction and outline of the thesis

Chapter 2 Tissue transglutaminase colocalises with extracellular matrix proteins in cerebral amyloid angiopathy. *Neurobiology of Aging* 2013; 34(4):1159-69

Chapter 3 The blood clotting Factor XIIIa forms unique complexes with A $\beta$  and colocalises with deposited A $\beta$  in cerebral amyloid angiopathy. *Neuropathology and Applied Neurobiology* '2016 Apr;42(3):255-272'

Chapter 4 Tissue transglutaminase-catalysed cross-linking induces Apolipoprotein E multimers inhibiting Apolipoprotein E's protective effects towards amyloid-beta-induced toxicity. *Journal of Neurochemistry* 2015; 134(6):1116-28

Chapter 5 Catalytically active tissue transglutaminase colocalises with A $\beta$  pathology in Alzheimer's disease mouse models

Chapter 6 General discussion

Appendices

Summary

Samenvatting

Dankwoord

Curriculum Vitae

List of publications