

# Vital imaging of large arteries using two-photon laser scanning microscopy : focus on the arterial wall

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## Vital Imaging of Large Arteries using Two-Photon Laser Scanning Microscopy: Focus on the Arterial Wall

Remco Megens

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- 1 Onder fysiologische omstandigheden is het patroon van elastine in de vaatwand niet golvend (dit proefschrift).
- 2 CNA35/OG488 is a good molecular imaging agent for atherosclerosis (this thesis).
- 3 De naam "musculaire arteriën" is verwarrend omdat in die vaten het aantal spiercellen per vaatwand volume lager is dan in "elastische arteriën" (dit proefschrift).
- 4 TPLSM triggered on cardiac and respiratory cycle creates new opportunities for *in vivo* studying of structural and functional properties of arteries at a subcellular level (this thesis).
- 5 Licht is zo langzaam, dat bij onze TPLSM het licht van de ene laser puls nog maar net het preparaat bereikt heeft wanneer de volgende puls al door de laser afgegeven wordt.
- 6 Statistics indicate that multi-photon microscopy is still a specialized technology, used successfully by some, but apparently not yet at the level of routine use characteristics of conventional microscopy (Zipfel et al.; 2003).
- 7 Propidium Iodide is niet een "dode cellen kleuring" maar een kleuring voor cellen met een permeabel celmembraan.
- 8 Het leven wordt begrijpelijker als je af en toe eens door een microscoop (lens) kijkt.
- 9 Schrijven is het wegkappen en wegsnijden van overbodige delen (Herman Brusselmans).
- 10 Inspanning is de beste ontspanning.
- 11 Het gewicht van de fiets beïnvloedt de gemiddelde fietssnelheid.