

Microbubbles are as small as red blood cells, and they are fabricated to enhance signals from the heart and vessels in a medical echo image. In large quantities they do, but for the diagnosis of various diseases they should also be imaged in small quantities.

This PhD thesis studies single microbubbles in an experimental laboratory setting using optical, acoustical and numerical techniques. Various ideas are distilled from the results that will improve clinical detection methods.

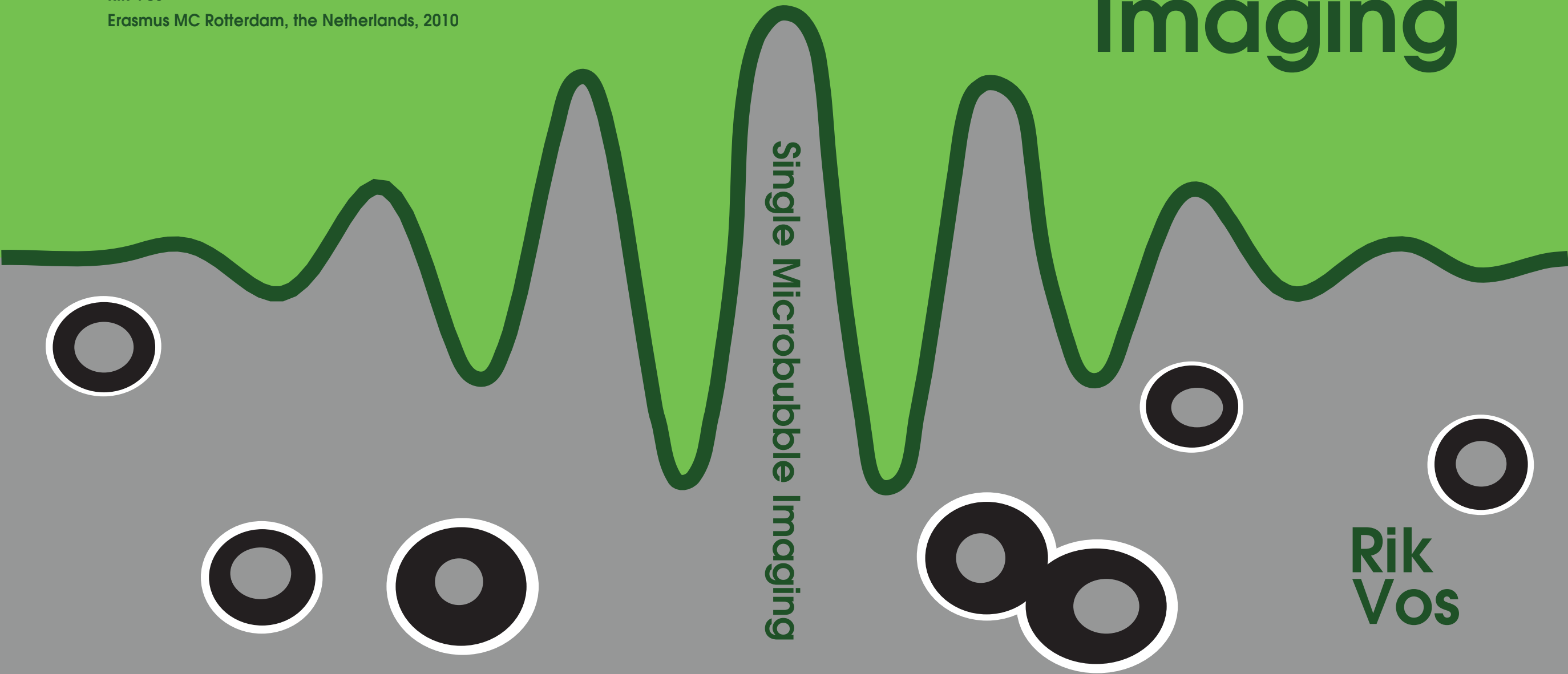
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Erasmus MC Rotterdam, the Netherlands, 2010

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# Single Microbubble Imaging

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