Development of hyaluronan-based dissolving microneedle arrays for dermal vaccination

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Mara Leone

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PhD thesis with summary in Dutch

Cover： the fluorescence microscopy images provide a view parallel to the skin surface and depict fluorescein amine-labeled hyaluronan (green), rhodamine B-labeled trimethyl chitosan (white) and lumogallion-labeled diphtheria toxoid (red) released in *ex vivo* human skin.

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To my family,

to Paolo,

for being always by my side

giving me strength, support and endless love

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