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Evaluation of nano-antimicrobial coated biomaterials in advanced in vitro co-culture models

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**Evaluation of nano-antimicrobial coated
biomaterials in advanced *in vitro*
co-culture models**

Xiaoxiang Ren

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**Evaluation of nano-antimicrobial coated
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 co-culture models**

PhD thesis

to obtain the degree of PhD at the
 University of Groningen
 on the authority of the
 Rector Magnificus Prof. C. Wijmenga
 and in accordance with
 the decision by the College of Deans.

This thesis will be defended in public on
 Wednesday 2 December, 2020 at 12.45 hours

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To my family and friends

Who make every minute of life worthwhile

Paranymphs

Jingyao Li

Liangliang Yang

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