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## **Adding tools to the box: facilitating host strain engineering of *Penicillium chrysogenum* for the production of heterologous secondary metabolites**

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Adding tools to the box:  
facilitating host strain engineering of  
*Penicillium chrysogenum* for  
the production of  
heterologous secondary metabolites

Dipl-Ing. Carsten Pohl



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 groningen



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 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  
 Monday 2 March 2020 at 11.00 hours

by

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