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Description automatically generated

Defining COPD and severe (early onset) COPD using a multi-omics approach.

PhD thesis

to obtain the degree of PhD at the

University of Groningen  
on the authority of the

Rector Magnificus Prof. J.M.A. Scherpen

and in accordance with

the decision by the College of Deans.

and

to obtain the degree of PhD of the

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on the authority of the

Faculty of Science

Double PhD degree

This thesis will be defended in public on

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by

# Johannes van Nijnatten

born on 18 July 1987  
in Breda, the Netherlands

# Supervisors

|  |  |
| --- | --- |
| Dr. C.A. Brandsma |  |
| Prof. dr. M. van den Berge |  |
| Prof. dr. W. Timens |  |

# Co-supervisors

|  |  |
| --- | --- |
| Dr. A. Faiz |  |
| Dist. Prof B. Oliver |  |

# Assessment Committee

|  |  |
| --- | --- |
| Prof. Dr. Reinoud Gosens |  |
| Prof. Dr. Tillie Hackett |  |
| Prof. Dr. Phil Hansbro |  |
| Prof. Dr. Markus Weckmann |  |

# Paranymphs

|  |  |
| --- | --- |
| N. J. Bekker |  |
| T. Karp |  |