

# DBMR Research Conference

Langhans Hörsaal Pathologie  
Murtenstrasse 31, 3008 Bern

Date **April 6, 2020, 5 pm – 6 pm**

Title **The lung organoid as a tool to discover and evaluate novel therapeutics for lung regeneration**

Speaker **Prof. Dr. Reinoud Gosens,  
Molecular Pharmacology, Groningen Research Institute for Asthma and COPD  
(GRIAC), University of Groningen, Groningen, NL**

**Bio:** Reinoud Gosens is Associate Professor of Translational Pharmacology at the Faculty of Mathematics and Natural Sciences at the University of Groningen, the Netherlands. He has an MSc in Pharmaceutical Sciences from the University of Groningen and a PhD from the Department of Molecular Pharmacology at the University of Groningen. Dr Gosens has undertaken research fellowships at the University of Manitoba, Canada, and the University of Groningen. He is a member of the American Thoracic Society (ATS), the American Physiological Society, the European Respiratory Society (ERS), the Dutch Pharmacological Society and the Netherlands Respiratory Society. Dr Gosens' current research interests are focused on mechanisms that regulate structural remodelling and repair of the airways and parenchyma in asthma and COPD.

**Abstract:** Chronic obstructive pulmonary disease (COPD) is one of the most common lung diseases in the world, characterized by airflow limitation that is not fully reversible and deteriorates progressively. The key problem underlying COPD is increased tissue destruction in combination with abnormal tissue repair in susceptible individuals. As current therapies do not modify the course of the disease, developing new therapeutic strategies is necessary. The major hurdle in the development of new therapies is the immense lack of knowledge on the mechanisms that impair adequate tissue repair in COPD. In my research, I focus on the hypothesis that the diseased local tissue microenvironment is the primary driver of impaired tissue repair in COPD and that reactivating lung repair by pharmacologically targeting this microenvironment is feasible.

**Prof. Dr. Reinoud Gosens has been invited by Prof. Dr. Olivier Guenat**

**Next DBMR Research Conference**

**May 4, 2020**

*Dr. Paul Krimpenfort, Netherlands Cancer Institute, Amsterdam, NL*

The DBMR Research Conference takes place from 5 pm – 6 pm and will be followed by an apéro.



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