

DBMR Research Conference

Date **April 12, 2021, 5 pm – 6 pm**

Title **Neutrophils in chronic inflammation - from physiology to therapeutic intervention**

Speaker **Prof. Dr. Oliver Söhnlein,
Westfälische Wilhelms-University (WWU), Münster, DE**

Bio: Oliver Soehnlein is Director of the Institute of Experimental Pathology at the Westfälische Wilhelms-University in Münster holds a guest professorship for inflammation physiology at the Karolinska Institutet, Stockholm, Sweden. He received his M.D. in 2004 from the Friedrich-Alexander University of Erlangen, Germany, and his Ph.D. from the Karolinska Institute in 2008. Oliver Soehnlein's research focuses on understanding the role of myeloid cells in vascular inflammation. Based on this understanding he aims at designing tailored therapeutic approaches.

Abstract: Neutrophils have traditionally been viewed as bystanders or biomarkers of cardiovascular disease. However, studies in the past decade have demonstrated the important functions of neutrophils during cardiovascular inflammation and repair. In this talk, I will discuss the current knowledge of the contribution of neutrophils to the different stages of atherosclerosis, including atherogenesis, plaque destabilization and plaque erosion. In the context of cardiovascular complications of atherosclerosis, I will highlight the dichotomous role of neutrophils in pathogenic and repair processes in stroke, heart failure, myocardial infarction and neointima formation. Finally, I will emphasize how detailed knowledge of neutrophil functions in cardiovascular homeostasis and disease can be used to generate therapeutic strategies to target neutrophil numbers, functional status and effector mechanisms.

Prof. Dr. Oliver Söhnlein has been invited by Prof. Dr. Yvonne Döring

The DBMR Research Conference will take place as a webinar via Zoom.

For those wishing to attend, please use this link
<https://unibe-ch.zoom.us/j/6582326032>
Meeting-ID: 658 232 6032

or scan the QR code for the details



Next DBMR Research Conference

May 5, 2021

*Prof. Robert Bristow, University of Manchester, UK,
title to be announced*



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