

DBMR Research Conference

Langhans Hörsaal Pathologie
Murtenstrasse 31, 3008 Bern

Date June 3, 2019, 5 pm – 6 pm

Title **New insights in the pathogenesis of sepsis
and a sneak preview to future therapy**

Speaker Prof. Dr. Tom van der Poll
Amsterdam University Medical Centers, Academic Medical Center,
University of Amsterdam, NL

Biosketch

Tom van der Poll (1961) is Professor of Medicine and Chair of the Department of Medicine in the Amsterdam University Medical Center. Van der Poll is board certified in Internal Medicine and Infectious Diseases. His training included a postdoctoral research fellowship in Cornell University Medical College in New York (1993-1995). His research focuses on pneumonia and sepsis, particularly on pathogenesis, the host response, immunotherapy and biomarkers. He is the former chair of the International Sepsis Forum, and was a member of international committees that established the new sepsis definitions (JAMA 2016) and “surviving sepsis guidelines” (ICM 2016). He was elected as member of the Royal Netherlands Academy of Arts and Sciences in 2019. His Web of Science report (April 2019) lists 936 publications, that were cited 42655 times (5043x in 2018). His H-index is 101.

Van der Poll has been the supervisor of 65 successfully completed PhD projects. His current group consists of 15 PhD students, 7 postdocs, 3 technicians and 2 biotechnicians. His group has attracted 3 Chinese PhD students and 4 postdocs (Sweden, France, Spain, Japan) with personal grants from abroad in the most recent 4 years. Six of his former PhD students are now full Professors.

Abstract

Sepsis is defined as a life-threatening organ dysfunction caused by a dysregulated host response to infection. In sepsis the immune response that is initiated by an invading pathogen fails to return to homeostasis, which culminates into a pathological syndrome characterized by sustained excessive inflammation and immune suppression. The understanding of key mechanisms involved in the pathogenesis of sepsis has increased tremendously, yet this still needs to be translated into novel targeted therapeutic strategies. Pivotal for the clinical development of new sepsis therapies is selection of patients based on biomarkers and/or functional defects that provide specific insight in the expression or activity of the therapeutic target.

Prof. Dr. Tom van der Poll has been invited by Prof. Dr. Sacha Zeerleder, Department of Hematology and Central Hematology Laboratory, Inselspital, Bern.

July 1, 2019

Next DBMR Research Conference

“Re-engineering developmental processes for cartilage and bone regeneration” Prof. Dr. Ivan Martin, Department of Biomedicine, University of Basel, Basel

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



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