SFB 900

# SFB 900 SEMINAR SERIES

ALL GUESTS ARE WELCOME

## TITLE

**The choroid plexus epithelium: an important blood-brain barrier that strongly reponds to both peripheral and central inflammation**

## SPEAKER

**Prof. Dr. Roosmarijn Vandenbroucke**
**VIB-UGent Center for Inflammation Research, University of Ghent, Belgium**

## LOCATION

**Lecture Hall Q, Building J6**
**MHH, Carl-Neuberg-Str. 1**
**Hannover**

**05.07.2018**

**5.00 PM (s.t.)**

» **Research of Roos Vandenbroucke:**
Tight barriers form the major protection for the brain against external insults such as toxins, infectious agents and peripheral blood fluctuations. These barriers are a central part of the brain homeostasis mechanism and assure a balanced and well-controlled micro-environment around synapses and axons in the central nervous system (CNS). Although largely understudied, the choroid plexus epithelium (CPE), forming the blood-CSF barrier (BCSFB), is an important and unique single layer of epithelial cells situated at the interface between blood and cerebrospinal fluid (CSF). Subtle changes in the CPE, via changes in the CSF composition, have wide-ranging effects on the brain and will subsequently affect disease progression. Therefore, understanding BCSFB functionality under physiological and pathophysiological conditions might open up new therapeutic strategies to treat inflammatory diseases. Our research focuses on the effect of systemic inflammation (including sepsis/SIRS or other inflammatory stimuli) and neuroinflammation (such as the age-related disease Alzheimer's) on the BCSFB.


Prof. Guntram Grassl
MHH
Tel.: 0511 532-4540
Grassl.Guntram@mh-hannover.de

Dr. Eugenia Gripp, MHH
Institute of Virology
Tel.: 0511 532-4107
SFB900.Sekretariat@mh-hannover.de