

# SFB 900 Seminar Series

ALL GUESTS ARE WELCOME

## TITLE

Role of lipid interactions with hepatitis C virus NS5A protein in membrane remodeling.

## SPEAKER

PD Dr. Christoph Welsch, AG „Molecular Evolution & Adaptation“, Goethe University Hospital Frankfurt, Frankfurt/Main

## LOCATION

Lecture Hall Q, building J6, ground floor

04.11.  
2021

5.00 PM (s.t.)

### » Research of Christoph Welsch

More than half of the currently prescribed drugs target membrane proteins. However, most details on their interplay with the lipid phase and the role of the lipid environment in the pathophysiology of disease remain elusive. In order to elucidate the fundamental principles of lipid-protein interactions in chronic inflammation in liver disease and on understanding the mechanism of action of small compounds that target lipid-interacting proteins, the Welsch lab „Molecular Evolution & Adaptation“ integrates advanced methods in biochemistry, bioinformatics and experimental structural biology. We use synthetic and cell-free biology approaches and simplified functional subsystems to characterize membrane proteins as drug targets and the lipid environment as pivotal regulator and driver of chronic inflammation.

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