



# CENTER FOR INNATE IMMUNITY AND IMMUNE DISEASE

2017 SPRING QUARTERLY SEMINAR SERIES

TUESDAY, May 2<sup>nd</sup>, 2017  
10:00am – 11:00am

Brotman Auditorium, South Lake Union  
850 Republican St., Seattle, WA 98109

Seminar presented by:

## Klaus Schughart, Ph.D.

Professor

*Head of Dept. of Infection Genetics  
Helmholtz Centre for Infection Research,  
University of Veterinary Medicine Hannover,  
University of Tennessee Health Science Center*

### *“Host-pathogen interactions during influenza A virus infection”*



Infectious disease caused by influenza A virus (IAV) is a very serious health problem worldwide. In the US, annual IAV epidemics cause more than 30,000 deaths. We are using the mouse model system to study in detail the function of innate immune genes and the influence of genetic background for susceptibility and resistance to IAV infections. In addition, we have analyzed changes in gene expression of IAV-infected human patients to identify markers for severe respiratory IAV disease.

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