

Tuesday, October 27th, 2009, 16:00 h

European Molecular Biology Laboratory EMBL,
Meyerhofstr. 1, Heidelberg, Venue: Operon Auditorium

Leica Scientific Forum & EMBL Green Seminar

Advances in Life Science

Prof. Xiaowei Zhuang

Howard Hughes Medical Institute, **Harvard** University, Cambridge/USA

“Imaging Virus-cell Interactions in Live Cells”

October 27th, 2009

16:00 Welcome by Chairman Dr. Lars Hufnagel, EMBL

16:15 Lecture Prof. Xiaowei Zhuang

Abstract:

Viruses must deliver their genome into cells to initiate infection. This entry process is a subject of fundamental importance as well as a therapeutic target for viral disease treatment. We have exploited real-time imaging methods to track individual virus particles in live cells.

This approach allows us to follow the fate of individual viruses, to dissect the viral entry pathways into microscopic steps, and to determine the molecular mechanism of each step. In this talk, I will describe our studies of influenza virus, dengue virus and poliovirus using this approach.

Discussion

17:30 Post Lecture Reception – Meet the Speaker

Scientific Advisory Board: Prof. Winfried Denk (MPI), Prof. Roland Eils (DKFZ), Prof. Stefan Hell (MPI/DKFZ), Dr. Rainer Pepperkok (EMBL), Dr. Thomas Zapf (Leica Microsystems)

For planning purposes please register: sandra.ebert@leica-microsystems.com

There will be a FREE bus shuttle from BioQuant to EMBL (registration required)

Read more: www.leica-microsystems.com

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