

# International Scientific Symposium

## “Emerging infections: Increasing preparedness by networking”

27th November 2018, Berlin

Newly emerging diseases in animals and humans as well as reemerging pathogens pose important threats to animal and public health. The epidemiological understanding of these diseases is essential for their prevention and demands a *One-Health* approach with a holistic view on environmental, animal and human health in mind. Thus, the integration of different research areas is very important to understand the processes that boost the occurrence of new pathogens or the cyclical reoccurrence of known pathogens. On the other hand, intensive collaboration is needed for the rapid development of suitable diagnostic, preventive and therapeutic options in animal and public health.

We kindly invite you to the Scientific Symposium “Emerging infections: Increasing preparedness by networking” in Berlin! The aim of the scientific event is to bring together experts from various disciplines in order to find a “common language” and to deepen the scientific exchange across subject areas and thus to significantly improve the preparedness for future emerging pathogens in veterinary and human medicine. To this end, the event is planned as a platform to increase collaborations of groups in basic research, e.g. evolutionary biology, population dynamics, structural biology virology, and applied research, i.e. development of new diagnostics and potential vaccines for veterinary and human medicine.

**Registration:** <https://formgenerator.fli.de/view.php?id=54494>

### Conference Fee

Regular rate (senior scientists, postdocs, public health workers, etc):	70 €
Reduced rate (undergraduate students, graduate students, PhD students):	50 €

## Venue

Kaiserin-Friedrich-Stiftung, Robert-Koch-Platz 7, 10115 Berlin, and  
Museum für Naturkunde, Invalidenstr. 43, 10115 Berlin



Source: wikipedia



Source: pixabay



Source: [www.kaiserin-friedrich-stiftung.de](http://www.kaiserin-friedrich-stiftung.de)

## Meals and refreshments

Coffee, tea and a reception in the evening are included in the registration fee.

For more information, please feel free to contact the organization team:  
[event@fli.de](mailto:event@fli.de)

## Scientific Program

8:30	<b>Opening (at the Kaiserin-Friedrich-Stiftung) by Rainer G. Ulrich</b> Friedrich-Loeffler-Institut
<b>Emergence - The Background</b>	
8:45	<b>Martin Beer, Friedrich-Loeffler-Institut</b> <i>Emerging pathogens in domestic animals and wildlife</i>
9:20	<b>Christian Drosten, Charité</b> <i>Perceptions of emerging and zoonotic viruses in human medicine</i>
9:55	<b>Jens Jacob, Federal Research Centre for Cultivated Plants</b> <i>Ecological drivers of pathogen dynamics in rodent host populations</i>
10:30	<b>Tea / Coffee Break</b>
<b>The historic perspective I</b>	
11:00	<b>Gerald Heckel, University of Bern</b> <i>Evolutionary and ecological feedbacks between voles and their pathogens</i>
11:35	<b>Alex Greenwood, Leibniz Institute for Zoo and Wildlife Research</b> <i>Old news: How old retroviral fossils may protect the genome from the harmful effects of retroviral invasions</i>
12:10	<b>Andrea Rasche, Charité</b> <i>Evolutionary origins of hepatitis viruses</i>
12:45	<b>Lunch</b>
<b>The structural and diagnostic perspective</b>	
14:00	<b>Felix Rey, Pasteur Institute</b> <i>Viral membrane fusion proteins as targets of protecting antibody responses</i>
14:30	<b>Dirk Höper, Friedrich-Loeffler-Institut</b> <i>High-throughput sequencing for rapid identification and genome characterization of novel viruses</i>
15:00	<b>Wolfgang Fritzsche, Leibniz Institute of Photonic Technology</b> <i>Multiplex systems for nucleic acid detection</i>
15:30	<b>Jean-Claude Manuguerra, Institut Pasteur</b> <i>Multiplex serology for the diagnostics of viral infections</i>
16:00	<b>Tea / Coffee Break</b>
<b>The diagnostic and prevention perspective</b>	
16:30	<b>Alma Gedvilaite, Vilnius University</b> <i>Yeast-expressed virus-like particles</i>
17:00	<b>Rasa Petraityte-Burneikiene, Vilnius University</b> <i>Yeast-expressed viral proteins for diagnostics of viral infections</i>
17:30	<b>Stefan Kubick, Fraunhofer Institute for Cell Therapy and Immunology</b> <i>Cell-free synthesis and functional characterization of novel cytotoxic proteins</i>
18:00	<b>Aurelija Zvirbliene, Vilnius University</b> <i>Efficient generation of monoclonal antibodies for diagnostic applications</i>
<b>The historic perspective II (at the Naturkundemuseum)</b>	
19:00	<b>Johannes Krause, Max Planck Institute for the Science of Human History</b> <i>The genetic history of plague: What we learn from past pandemics</i>
19:00	<b>Guided tour at the museum</b>
20:00	<b>Symposium buffet under dinosaurs</b>
23:00	<b>End of Symposium</b>

## **Suggestions for accommodation close to the venue**

### **Hotel Berlin Mitte by Campanile**

Invalidenstraße 98

10115 Berlin

Tel.: +49 (0) 30 203 956 100

Fax: +49 (0) 431 886 651 777

E-mail: [berlin.mitte@campanile.com](mailto:berlin.mitte@campanile.com)

### **Hotel Ibis Berlin Hauptbahnhof**

Invalidenstraße 53

10557 Berlin

Tel.: +49 (0) 30 710 960 0

Fax: +49 (0) 30 710 960 333

E-mail: [H8601@accor.com](mailto:H8601@accor.com)

### **Hotel Amano Grand Central**

Heidestraße 62

10557 Berlin

Tel.: +49 (0) 30 347 472 690

Fax: +49 (0) 30 400 300 100

E-mail: [reservationsberlin@amanogroup.de](mailto:reservationsberlin@amanogroup.de)

### **Hotel Meiniger**

Schöneberger Straße 15

10963 Berlin

Tel.: +49 (0) 30 666 361 00

Fax: +49 (0) 30 666 362 22

E-mail: [welcome@meininger-hotels.com](mailto:welcome@meininger-hotels.com)

### **Best Western Hotel Berlin Mitte**

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10117 Berlin

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