



SARS-CoV-2: Towards a New Era in Infection Research - Virtual

EMBL CONFERENCE

We have moved our website to embl.org/events. The content below is no longer being updated.

EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found [here](#).

Programme

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To find out the equivalent time zone in your location, enter Berlin, the CEST programme time and your city into the [Time Zone Converter](#).

- All talks will be live-streamed unless otherwise indicated, with Q&A sessions after each talk and a roundtable discussion will take place at the end of the conference.
- Information on the live stream and access to the discussion platform will be provided shortly before the start of the event.
- Access to the recorded talks will be available for 1 week after the start of the event.

The following times are used in the programme below:

- Central European Summer Time (CEST): eg. Berlin, Amsterdam Paris
- Eastern Daylight Time (EDT): eg. New York, Quebec

Day 1 - Friday 03 July 2020

Time	Speaker
08:45-09:00 (CEST) 02:45-03:00 (EDT)	Opening remarks: Pascale Cossart - Institut Pasteur, France, Jean-Eric Paquet - European Commission, Belgium & Nassos Typas - EMBL Heidelberg, Germany
09:00-10:35 (CEST) 03:00-04:35 (EDT)	Session 1 - Dissecting host-pathogen interactions: from structural to cell biology Chairs: Pedro Beltrao - EMBL-EBI Hinxton, UK & Pascale Cossart - Institut Pasteur, France
09:00-09:20 (CEST) 03:00-03:20 (EDT)	Coronavirus biology: features common to all coronaviruses (pre-recorded) Susan R. Weiss - University of Pennsylvania, USA
09:20-09:45 (CEST) 03:20-03:45 (EDT)	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing Nevan Krogan - University of California San Francisco, USA
09:45-10:10 (CEST) 03:45-04:10 (EDT)	The coronavirus spike protein: proteolytic activation and conformational changes Félix A. Rey - Institut Pasteur, France
10:10-10:35 (CEST) 04:10-04:35 (EDT)	Interactions between non-structural protein 3 and host-cell components Rolf Hilgenfeld - German Center for Infection Research
10:35-11:00 (CEST) 04:35-05:00 (EDT)	Break
11:00-12:45 (CEST) 05:00-06:45 (EDT)	Session 2 - Fundamental Research Towards new Therapeutics & Vaccines Chairs: Dirk Heinz - Helmholtz Centre for Infection Research, Germany & Nassos Typas - EMBL Heidelberg, Germany
11:00-11:25 (CEST) 05:00-05:25 (EDT)	Structural insights into the transcription mechanism and drug-targeting of influenza polymerase Stephen Cusack - EMBL Grenoble, France
11:25-11:50 (CEST) 05:25-05:50 (EDT)	Insights into the SARS-CoV-2 replication cycle and implications for antiviral therapy Ralf Bartenschlager - Heidelberg University, Germany
11:50-12:15 (CEST) 05:50-06:15(EDT)	COVID-19 mRNA vaccine candidates Ugur Sahin - Johannes Gutenberg University Mainz, Germany
12:15-13:30 (CEST) 06:40-07:30 (EDT)	Break

Time	Speaker
13:30-15:35 (CEST) 07:30-09:35 (EDT)	Session 3 - Tracing infections and epidemics Chairs: Pedro Beltrao - EMBL-EBI Hinxton, UK & Dirk Heinz - Helmholtz Centre for Infection Research, Germany
13:30-13:55 (CEST) 07:30-07:55 (EDT)	Data sharing and data science in the fight against COVID19 Ewan Birney - EMBL-EBI Hinxton, UK
13:55-14:20 (CEST) 07:55-08:20(EDT)	Virological diagnostics: implications for outbreak control Christian Drosten - DZIF German Center for Infection Research, Germany
14:20-14:45 (CEST) 08:20-08:45 (EDT)	Epidemic control : Preparing for Season 2 Arnaud Fontanet - Institut Pasteur, France
14:45-15:10 (CEST) 08:45-09:10 (EDT)	tracking of SARS CoV2 in The Netherlands Marion Koopmans - Erasmus MC, The Netherlands
15:10-15:35 (CEST) 09:10-09:35 (EDT)	Digital Surveillance Outbreak Response Management and Analysis System (SORMAS) for the pandemic response Gérard Krause - Helmholtz Centre for Infection Research, Germany
15:35-16:00 (CEST) 09:35-10:00 (EDT)	Break
16:00-17:40 (CEST) 10:00-11:40 (EDT)	Session 4 - Unravelling the context and complexitiy of infection Chair: Pascale Cossart - Institut Pasteur, France & Nassos Typas - EMBL Heidelberg, Germany
16:00-16:25 (CEST) 10:00-10:25 (EDT)	Malaria riddle Elena Levashina - Max Planck Institute for Infection Biology, Germany
16:25-16:50 (CEST) 10:25-10:50 (EDT)	Proteolysis in pathogens Eric Rubin - Harvard University, USA
16:50-17:15 (CEST) 10:50-11:15 (EDT)	Antimicrobial use, antimicrobial resistance and COVID-19 Alison Holmes - Imperial College London, UK
17:15-17:40 (CEST) 11:15-11:40 (EDT)	Pathogens and commensals at mucosal surfaces, the new dimension of microbe-host interactions Philippe Sansonetti - Institut Pasteur, France
17:40-18:15 (CEST) 11:40-12:15 (EDT)	Break

Time

Speaker

Round table discussion

Chairs: Pascale Cossart - Institut Pasteur, France & Thomas Lemberger - EMBO, Germany

18:15-19:15 (CEST)

Ewan Birney - EMBL-EBI Hinxton, UK

12:15-13:15 (EDT)

Rino Rappuoli - GlaxoSmithKline Vaccines, Italy

Eric Rubin - Harvard University, USA

Gisou van der Goot - EPFL, Switzerland

Susan R. Weiss - University of Pennsylvania, USA

End of the conference - Continued access to networking and discussion platforms, pre-recorded talks