

**QBI/INSTITUT PASTEUR**

# Second Annual Symposium on Infectious Diseases

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Host Pathogen  
Map Initiative

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Organized by Drs. Gerald Spaeth, Carmen Buchrieser, Julia Chamot-Rooke from Institut Pasteur and Drs. Nevan Krogan and Shaeri Mukherjee from the Quantitative Biosciences Institute (QBI), the Second Annual QBI/Institut Pasteur Symposium on Infectious Diseases will be held online in a two-part series on **October 13 and 14 from 17:00 - 19:45 Paris time**.

The Quantitative Biosciences Institute (QBI) seeks transformative results in biomedicine by supporting fundamental quantitative research in the biological sciences. The Institut Pasteur thrives on increasing its global health impact through the strengthening of essential biomedical research activities and their translation into biomedical innovations and technologies. The Quantitative Biology program of the Institut Pasteur intends to facilitate research innovation at the interface of infectious biology and quantitative sciences.

The Second Annual QBI/Institut Pasteur Symposium on Infectious Diseases aims to continue facilitating collaborative relationships between scientists from both institutions.

**Please click the link below to join the webinar:**

<https://ucsf.zoom.us/j/93351294890?pwd=Y200WTB2aUhTSWVKcHRmVFJhYnhKQT09>

**Passcode: 395680**

## Day 1 - October 13

TIME Paris	TIME US	Speakers	Talk Titles
5:00 PM	8:00 AM	<i>Opening Remarks:</i> Nevan Krogan & Christophe d'Enfert	
<b>SESSION I - Chair: Félix Rey, Institut Pasteur</b>			
5:05 PM	8:05 AM	Olivier Schwartz, Institut Pasteur	Modulation of SARS-CoV2 fusion
5:20 PM	8:20 AM	Jeffery Cox, QBI   UC Berkeley	Host Pathogens Interactions: Using Global Proteomics to Discover New Anti-TB Pathways of Macrophages
5:35 PM	8:35 AM	Paola Arimondo, Institut Pasteur	Why use chemical tools? Design of a epigenetic chemical toolbox to reprogram cells and its applications from cancer to malaria
5:50 PM	8:50 AM	Shaeri Mukherjee, QBI   UCSF	How to make a home in the ER: Legionella shows the way
6:05 PM	9:05 AM	Julia Chamot-Rooke, Institut Pasteur	A simplified <i>in vivo</i> cross-linking mass spectrometry (XL-MS) strategy for deciphering bacterial pathogen interactome
6:20 PM	9:20 AM	<i>Break</i>	
<b>SESSION II - Chair: Jost Enninga, Institut Pasteur</b>			
6:30 PM	9:30 AM	Joanne Engel, QBI   UCSF	Chlamydia is a master cell biologist
6:45 PM	9:45 AM	Carmen Buchrieser, Institut Pasteur	<i>Legionella pneumophila</i> small RNAs: a transkingdom communication tool
7:00 PM	10:00 AM	Judy Sakanari, QBI   UCSF	Discovering new drugs to treat two neglected tropical diseases: river blindness and lymphatic filariasis
7:15 PM	10:15 AM	Germano Cecere, Institut Pasteur	The role of small RNAs during SARS-CoV-2 infection
7:30 PM	10:30 AM	Kevan Shokat, QBI   UCSF	Leveraging New Insights from Cancer Drug Discovery to Target Viral Host Factors
7:45 PM	10:45 AM	<i>End of Symposium Day 1</i>	

## Day 2 - October 14

TIME Paris	TIME US	Speakers	Talk Titles
5:00 PM	8:00 AM	<i>Intro Remarks</i>	
<b>SESSION I - Chair: Christophe Zimmer, Institut Pasteur</b>			
5:05 PM	8:05 AM	Nevan Krogan, QBI   UCSF	TBD
5:20 PM	8:20 AM	Matthijn Vos, Institut Pasteur	Cryo-EM @ Institut Pasteur
5:35 PM	8:35 AM	Melanie Ott, QBI   UCSF	Viral infections of human organoids
5:50 PM	8:50 AM	Javier Pizarro-Cerda, Institut Pasteur	Yersinia species: instrumental models of bacterial pathogen evolution
6:05 PM	9:05 AM	Danielle Swaney, QBI   UCSF	The Global Phosphorylation Landscape of SARS-CoV-2 Infection
6:20 PM	9:20 AM	<i>Break</i>	
<b>SESSION II - Chair: Mélanie Hamon, Institut Pasteur</b>			
6:30 PM	9:30 AM	Sylvie van der Werf, Institut Pasteur	SARS-CoV-2 proteins proximal interactome
6:45 PM	9:45 AM	Oren Rosenberg, QBI   UCSF	Structural Studies of Endogenous Proteins
7:00 PM	10:00 AM	Gerald Spaeth, Institut Pasteur	Targeting the macrophage epigenome for anti-leishmanial drug discovery
7:15 PM	10:15 AM	Robyn Kaake, QBI   UCSF	A Cross-linking Mass Spectrometry (XL-MS) Pipeline for Studying Host-Pathogen Interactions
7:30 PM	10:30 AM	<i>Closing Remarks</i>	
7:45 PM	10:45 AM	<i>End of Symposium Day 2</i>	