



International Centre for Genetic  
Engineering and Biotechnology

*International Conference*

# Pandemic preparedness

Achievements, current challenges, and new frontiers

11-13 November 2024, Trieste  
Savoia Excelsior Palace Hotel

## PROGRAM AT A GLANCE

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DI RIPRESA E RESILIENZA

Time	DAY 1 Monday 11 November	Time	DAY 2 Tuesday 12 November	Time	DAY 3 Wednesday 13 November
		08.30	<b>Session 3</b> <b>Drug discovery: stocking the shelves for the next pandemic</b> Federica Dattola Manon Laporte Isabel Pagani Rohan Narayan Akanksha Shanbhag Kris White		
08.45	<b>Registration</b>			09.00	<b>Marion Koopmans</b> <i>Pandemic preparedness with a focus on prevention</i>
09.15	<b>Welcome session</b> 9.15-9.35   Institutional greetings 9.35-10.00   Introductions			09.45	<b>Session 8</b> <b>Risk and mitigation of viral zoonoses</b> Giulia Gallo Kimberly Lyons Ségolène Gracias Annelin Seppola
10.00	<b>Yoshihiro Kawaoka</b> <i>Addressing the ongoing threat of emerging viral infections</i>	10.00	<b>Johan Neyts</b> <i>Broader-acting antivirals for epidemic and pandemic preparedness</i>		
10.45	<i>Welcome coffee</i>	10.45	<i>Coffee break</i>	10.45	<i>Coffee break</i>
11.15	<b>Rino Rappuoli</b> <i>Preparing the world for climate-driven amplifications of infections</i>	11.15	<b>Martin Weigt</b> <i>"Forecasting" protein evolution using data-driven sequence landscapes</i>	11.15	<b>Tom Peacock</b> <i>Investigating the origins and mammalian spillover potential of the ongoing H5N1 panzootic</i>



11.45	<p><b>Session 1</b>  <b>Emerging and re-emerging viruses with pandemic potential</b>  Elisa Vicenzi  Wilhelm Furnon  Pamela Martinez-Orellana</p>	11.45	<p><b>Session 4</b>  <b>Artificial Intelligence (AI) and Machine Learning: tools for pathogen studies</b>  Francesca Cuturello  Spyros Lytras  Abdullah Algaissi</p>	11.45	<p><b>Fabrizio Maggi</b>  <i>The comprehensive response to autochthonous outbreaks of dengue virus: the approach of the National Institute for Infectious Diseases "L. Spallanzani" in Rome</i></p>
				12.15	<p><b>Session 9</b>  <b>Global health</b>  Francesco Menegale  Alessandro Pezzella</p>
12.30	<p><b>Tatjana Avšič-Županc</b>  <i>Outbreak preparedness at the Institute of Microbiology and Immunology in Ljubljana</i></p>	12.30	<p><b>Lucia Banci</b>  <i>The NMR contribution to Cellular Structural Biology: from protein structures and their interactions to functional processes</i></p>	12.45	<p><b>Sponsored slot</b></p>
13.00	<p><i>Light lunch</i></p>	13.00	<p><i>Light lunch</i></p>	13.00	<p><i>Light lunch</i></p>
14.00	<p><b>Maria José Ruiz Alvarez</b>  <i>Advancing European Research: The role of National Health Institutions in European Partnerships linked to One Health Anti-Microbial Resistance, Pandemic Preparedness and through the collaboration with ECRIN/ItaCRIN</i></p>	14.00	<p><b>Daniel Hurdiss</b>  <i>Coronavirus pandemic preparedness through the lens of a structural biologist</i></p>	14.00	<p><b>Alessandro Marcello</b>  <i>The challenges of pandemic preparedness and biosecurity – act locally to protect globally</i></p>
14.30	<p><b>Marta Giovanetti</b>  <i>Using genomics to understand climate amplified diseases and epidemics</i></p>	14.30	<p><b>Session 5</b>  <b>Multidisciplinary approaches to pandemic preparedness</b>  Federica Piccirilli  Denis Rajnovic  Courtney Waugh  Stefano Morasso</p>	14.30	<p><b>Jonathan Ewbank</b>  <i>Fostering pandemic preparedness and response research: the case of European Research Infrastructure on Highly Pathogenic Agents (ERINHA)</i></p>
15.00	<p><b>Session 2</b>  <b>Diagnostics and Surveillance</b></p>			15.00	<p><b>Session 10</b>  <b>Biosecurity, infrastructure and cooperation</b></p>



	<p><b>(part I)</b>  Mariana Ulinici  Nina Prezelj  Federica Armas  Francesco Baldini</p>	15.30	Coffee break		Salome Steinke Giada Mattiuzzo Guillain Mikaty Miranda Smith Felix Moronta-Barrios
16.00	Coffee break	16.00	<p><b>Session 6</b>  <b>Vaccine development – design</b>  Elizabeth McFadden  Giuditta De Lorenzo  Fabrizio Mammano  Federica Marchesin</p>	16.15	<p><b>Closing session</b>  Best poster awards, conclusions and final remarks</p>
16.30	<p><b>Emma Thomson</b>  <i>Next generation sequencing approaches to enhance surveillance capacity for emerging viruses</i></p>	17.00		<p><b>Session 7</b>  <b>Vaccine development – strategy &amp; approach</b>  Cristiana Campa  Hassan Askary  Mic McGoldrick  Anna Särnefält</p>	
17.15	<p><b>Session 2</b>  <b>Diagnostics and Surveillance (part II)</b>  Giuditta Annibaldis  Alessandro Silvestri  Natasha Louise Tilston-Lunel</p>				
18.00	Drinks and poster session				



19.00	<i>Welcome reception</i>		
		20.30	<i>Social dinner</i>

