

# “INF-ACT” MEETING

Rome, 19-21 December 2023

## Draft Agenda

TUESDAY 19<sup>TH</sup> DECEMBER 2023

### “INF-ACT” GET TOGETHER SESSION

12.30 – 14.00	<b>Registration</b>
14.00 – 15.00	<b>Opening and Introduction to the INF-ACT project (60 mins)</b> <ul style="list-style-type: none"> <li>– Federico Forneris (INF-ACT Foundation), <i>Welcome to INF-ACT</i> (30')</li> <li>– Fausto Baldanti (UNIPV), Anna Teresa Palamara (ISS), <i>Scientific Overview of the INF-ACT project</i> (30')</li> </ul>
15.00 – 15.15	<b>The INF-ACT One Health PhD Program (15 mins)</b> Prof. Anna Odone – Coordinator of the INF-ACT One Health PhD Program
15.15 – 17.15	<b>“Meet the INF-ACT team” - Welcome reception and networking (2 hrs)</b>
16.45 – 17.15	<b>One Health PhD Program (30 mins, <u>only for INF-ACT PhD students</u>)</b> <i>Prof. Anna Odone (PhD Program Coordinator and PhD students of the INF-ACT PhD Programme)</i>

WEDNESDAY 20<sup>TH</sup> DECEMBER 2023

### “INF-ACT” SCIENTIFIC MEETING

8.30 – 9.45	<b>Registration</b>
9.45 – 11.15	<b>Scientific Session I (1hr 30min)</b> <b>Preclinical, translational and clinical approaches to emerging and re-emerging infectious diseases</b> <i>Chair Fausto Baldanti (UNIPV), Co-Chair Stefania Stefani (UNICT).</i> <ul style="list-style-type: none"> <li>– Introduction from Chair (10')</li> <li>– Daniele Ghezzi (RN3, UNIBO), <i>Preclinical and translational infection models</i> (12' + 3' Q&amp;A)</li> <li>– Maurizio Sanguinetti (RN3, UCSC), <i>New approaches to improve the management of AMR infections</i> (12' + 3' Q&amp;A)</li> <li>– Cecilia Bonazzetti (RN3, UNIBO), <i>Clinical relevance of “Target and Tailored” therapies</i> (12' + 3' Q&amp;A)</li> <li>– Elena Pariani (RN1, UNIMI), <i>Enteroviruses, the threat of multiorgan diseases with respiratory transmission</i> (12' + 3' Q&amp;A)</li> <li>– Alessandra Mistral (RN2, UNIBO), <i>A multi stakeholder pipeline to enhance vector-borne pathogen detection, improve surveillance and resize therapeutic decisions</i> (12' + 3' Q&amp;A)</li> <li>– Closing remarks from Co-Chair (5')</li> </ul>
11.15 – 13.00	<b>Opening Ceremony (1 hr 35 min)</b> <i>Chairs: Fausto Baldanti, Federico Forneris, Anna Teresa Palamara</i>



	<ul style="list-style-type: none"> <li>• Prof. Rocco Bellantone – Commissario Straordinario ISS</li> <li>• Prof. Francesco Svelto – Rettore UNIPV</li> <li>• Prof.ssa Maria Chiara Carrozza – Presidente CNR</li> <li>• Dott. Fabrizio Cobis – Referente PNRR Ministero dell'Università e della Ricerca</li> <li>• Dott.ssa Elisabetta Vitali – Program Manager Fondazione Armenise-Harvard</li> <li>• Prof. Orazio Schillaci – Ministro della Salute</li> <li>• Prof.ssa Anna Maria Bernini – Ministro dell'Università e della Ricerca</li> </ul>
<b>13.00 – 14.30</b>	<b>Lunch &amp; Networking</b>
<b>14.30 – 16.15</b>	<p><b>Scientific Session II (1 hr 45 min)</b></p> <p><b>Monitoring the spreading of infectious diseases and public health strategies</b></p> <p><i>Chair Flavia Riccardo (ISS), Co-Chair Stefano Merler (FBK).</i></p> <ul style="list-style-type: none"> <li>– Introduction from Chair (10')</li> <li>– Paola Stefanelli (RN4, ISS), <i>From genomic surveillance to research: Sars-CoV-2 variants transmissibility and severity studies, and other ongoing activities</i> (12' + 3' Q&amp;A)</li> <li>– Francesca Rovida (RN1, UNIPV), <i>How close is the possibility for widespread endemic DENV in Italy?</i> (12' + 3' Q&amp;A)</li> <li>– Piero Poletti (RN4, FBK), <i>Recurrent Chikungunya and Dengue outbreaks in Italy: expected or unexpected events?</i> (12' + 3' Q&amp;A)</li> <li>– Elisa Barbieri (RN4, UNIPD), <i>Detection and analysis of paediatric data on pneumonia in the community from the Pedianet database</i> (12' + 3' Q&amp;A)</li> <li>– Chiara Sacco (RN4, ISS), <i>Timely monitoring of COVID-19 vaccine effectiveness: use and pitfalls of population-based administrative health registries</i> (12' + 3' Q&amp;A)</li> <li>– Alessandra Carattoli (RN3, UNISAP), <i>Omics of relevant MDR bacterial pathogens in Italy: One-health prospective</i> (12' + 3' Q&amp;A)</li> <li>– Closing remarks from Co-Chair (5')</li> </ul>
<b>16.15 – 16.45</b>	<b>Coffee break &amp; Networking</b>
<b>16.45 – 18.15</b>	<p><b>Scientific Session III (1 hr 30 m)</b></p> <p><b>Emerging infectious diseases in a <i>One Health</i> perspective</b></p> <p><i>Chair Antonia Ricci (AIZS), Co-Chair Alessandra della Torre (UNISAP)</i></p> <ul style="list-style-type: none"> <li>– Introduction from Chair (10')</li> <li>– Federica Giardina (RN1, UNIPV), <i>Monkeypox, from single zoonotic events to a large outbreak</i> (12' + 3' Q&amp;A)</li> <li>– Ana Moreno (RN1, AIZS), <i>Avian influenza in non-human mammals, a signal for something bigger?</i> (12' + 3' Q&amp;A)</li> <li>– Verena Pichler (RN2, UNISAP), <i>Tackling Insecticide resistance in major arbovirus mosquito vector species in Italy</i> (12' + 3' Q&amp;A)</li> <li>– Noemi Sarleti (RN4, ISS), <i>Artificial intelligence for morphological identification of mosquitoes in entomological surveillance of vector borne diseases</i> (12' + 3' Q&amp;A)</li> <li>– Giuseppina La Rosa (RN4, ISS), <i>Environmental surveillance to study viral occurrence and diversity, and antimicrobial resistance</i> (12' + 3' Q&amp;A)</li> <li>– Closing remarks from Co-Chair (5')</li> </ul>

THURSDAY 21<sup>ST</sup> DECEMBER 2023

“INF-ACT” SCIENTIFIC MEETING

8.45 – 10.30	<p><b>Scientific Session IV (1 hr 45 min)</b></p> <p><b>Novel diagnostics and therapeutics tools for infectious disease management</b></p> <p><i>Chair: Sergio Abrignani (UNIMI), Co-Chair Maria Laura Bolognesi (UNIBO).</i></p> <ul style="list-style-type: none"> <li>– Introduction from Chair (10')</li> <li>– Daniele Volpin (RN5, UNIPD), <i>Targeting West Nile Virus replicases: NS3 and heterodimers inhibitors</i> (12' + 3' Q&amp;A)</li> <li>– Valentina N. Madia (RN5, UNISAP), <i>Indolyl derivatives as new dual inhibitors of both ATPase and unwinding activities of SARS-CoV-2 nsp13 capable of blocking viral replication</i> (12' + 3' Q&amp;A)</li> <li>– Gabriele Trespidi (RN3, UNIPV), <i>Development of new antimicrobial antibiotic adjuvants and strategies against MDR organisms</i> (12' + 3' Q&amp;A)</li> <li>– Selina Pasquero (RN5, UNITO), <i>Characterization of citrullination during infection with SARS-CoV-2: a new strategy for host-targeting antivirals drugs</i> (12' + 3' Q&amp;A)</li> <li>– Silvia Pisani (RN5, UNIPV), <i>Development of nanosystems to enhance antimicrobial activity</i> (12' + 3' Q&amp;A)</li> <li>– Luca Perico (RN5, IRFMN) <i>Beyond Infection: Exploring the Non-Infectious Effects of Spike Protein on Acute Lung Injury</i> (12' + 3' Q&amp;A)</li> <li>– Closing remarks from Co-Chair (5')</li> </ul>
10.30 – 11.00	<b>Coffee break &amp; Networking</b>
11.00 – 12.30	<p><b>Scientific Session V (1 hr 30 min)</b></p> <p><b>Genomics, computational and technological insights into Emerging Infectious Diseases</b></p> <p><i>Chair Claudio Bandi (UNIMI), Co-Chair Ignazio Castagliuolo (UNIPD)</i></p> <ul style="list-style-type: none"> <li>– Introduction from Chair (10')</li> <li>– Davide Sassera (RN2, UNIPV), <i>Omics in the study of arthropod vectors and vector-borne diseases: biology, pathogens, populations, environment</i> (12' + 3' Q&amp;A)</li> <li>– Antonio Lupia (RN5, UNICA), <i>An in-silico approach applied to the study of allosteric inhibitors of Flavivirus NS2B/NS3 protease</i> (12' + 3' Q&amp;A)</li> <li>– Andrea Cara (RN4, ISS), <i>Development of high-throughput and safe neutralization assay platforms for the evaluation of anti-viral neutralizing antibodies in human and animal samples</i> (12' + 3' Q&amp;A)</li> <li>– Andrea Gobbini (RN1, UNIMI), <i>Interrogation of single cell RNA sequences</i> (12' + 3' Q&amp;A)</li> <li>– Giovanni Savini (RN2, AIZS), <i>Towards the development and implementation of National Infrastructures for the study and monitoring of arthropod vectors</i> (12' + 3' Q&amp;A)</li> <li>– Closing remarks from Co-Chair (5')</li> </ul>
12.30 – 13.30	<b>Board Meeting (1 hr 0 min, <u>restricted to INF-ACT board, scientific leaders, reviewers</u>)</b>
12.30 – 14.00	<b>Lunch</b>
14.00 – 14.30	<p><b>Concluding remarks (30 min)</b></p> <p><i>Federico Forneris – Fausto Baldanti – Anna Teresa Palamara</i></p>