

2019 novel Coronavirus

Global research and innovation forum:
towards a research roadmap

AGENDA

11-12 February 2020

WHO Headquarters, Geneva, Switzerland

Executive Board room

Version 7.0, 8 February, 2020



Background

The [WHO R&D Blueprint](#) is a global strategy and preparedness plan that allows the rapid activation of R&D activities during epidemics. Its aim is to fast-track the availability of effective tests, vaccines and medicines that can be used to save lives and avert large scale crisis.

The global imperative for research is to maintain a high-level discussion platform which enables consensus on strategic directions, nurtures scientific collaborations and, supports optimal and rapid research to address crucial gaps, without duplication of efforts.

Understanding the disease, its reservoirs, its transmission, its clinical severity and developing effective counter measures is critical for the control of the outbreak, the reduction of related mortality and minimization of economic impact.

Purpose

To enable identification of key knowledge gaps, and research priorities and thereby accelerate the generation of critical scientific information and the most needed medical products to contribute to the control the 2019-nCoV emergency.

Expected outcome

A research roadmap with clearly defined priorities and governance framework addressing each of several thematic areas will be considered at the meeting, namely: virus, diagnostics; natural history and transmission; clinical; therapeutics; vaccines; ethics; regulatory science; animal health; data/samples analysis and sharing and; social sciences (<https://www.who.int/blueprint/priority-diseases/key-action/novel-coronavirus/en/>).

Attendees

The participants will include scientists and researchers from different disciplines.

- Members of the scientific community
- Researchers from Member States' public health agencies
- Regulatory experts
- Bioethicists with expertise in research in emergencies
- Major funders of research related to the 2019 nCoV

WHO is delighted to welcome you to this two-day in person meeting, which is organized in collaboration with GLOPID-R.

The meeting is intended as a forum for the exchange of information and views among scientists and researchers with regard to the content of the research roadmap.



AGENDA

Day 1

Co-Chairs: Marie-Paule Kieny and Jeremy Farrar

Time	Topic	
SESSION 1: SETTING THE SCENE		
07:00	Registration begins	
09:00	Opening Remarks	Dr Tedros WHO Director General
09:15	Objectives of the meeting	Yazdan Yazdanpanah GLOPID R Chair
09:30	Overview of the outbreak situation and control measures being implemented	Michael J Ryan Executive Director Emergencies programme, WHO
09:45	Epidemiological situation and current research efforts in China	Representative from China
10:00	Overview of WHO R&D Blueprint efforts	R&D Blueprint co-leads
10:15	COFFEE BREAK	
10:45	<p>BY THEMATIC AREA Overview of state of the art and outline of key knowledge gaps</p> <ol style="list-style-type: none"> 1. Virus: natural history, transmission and diagnostics 2. Animal and environmental research on the virus origin, and management measures at the human-animal interface 3. Epidemiological studies 4. Clinical characterization and management 5. Infection prevention and control, including health care workers' protection 6. Candidate therapeutics R&D 7. Candidate vaccines R&D 8. Ethical considerations for research 9. Integrating social sciences in the outbreak response 	<ol style="list-style-type: none"> 1. Isabella Eckerle/ Christian Drosten 2. Sophie von Dobschuetz/ Peter Daszak Farida Al Hosani/ 3. Gabriel Leung 4. Yae-Jean Kim/ Rob Fowler 5. Anna Levin/ John Conly 6. Marco Cavaleri/ Ana Laura Salvati 7. Poonepalli Anuradha/ Philip Krause 8. Beatrice da Costa Thome/Ross Upshur 9. Nina Gobat/ Emily Chan
13:30	LUNCH BREAK	



Time	Topic	
SESSION 2: DEFINING KNOWLEDGE GAPS, RESEARCH PRIORITIES AND A GOVERNANCE FRAMEWORK		
14:30	<p>What are the knowledge gaps and the research priorities for this outbreak?</p> <p>How can the research stakeholders effectively coordinate their activities to ensure that gaps are addressed, and duplication is avoided (what governance framework could contribute to this?)</p> <ol style="list-style-type: none"> 1. Virus: natural history and transmission and diagnostics 2. Animal and environmental research on the virus origin, and management measures at the human-animal interface 3. Epidemiological studies 4. Clinical characterization and management 5. Infection prevention and control, including health care workers' protection 6. Candidate therapeutics R&D 7. Candidate vaccines R&D 8. Ethical considerations for research 9. Social sciences in the outbreak response 10. Funders coordination and perspectives <p>Questions for clarification</p>	<p>CHAIRPERSONS</p> <ol style="list-style-type: none"> 1. Sophie van de Werf/ Isabella Eckerle 2. Sophie von Dobschuetz/ William Karesh 3. Farida Al Hosani/ Gabriel Leung 4. Yae-Jean Kim/ John Marshall/ Srinivas Moorthy 5. Anna Levin/ Andreas Voss 6. Ana Laura Salvati/ Marco Cavaleri 7. Poonepalli Anuradha/ Philip Krause 8. Beatrice da Costa Thome/ Ross Upshur 9. Lina Moses/ Emily Chan 10. Jane Ellison/ Yazdan Yazdanpanah
15:30	COFFEE BREAK	
15:30	<p>What are the knowledge gaps and the research priorities for this outbreak? (Continuation)</p>	Parallel sessions by thematic area
18:00	ADJOURN	
18:30	COCKTAIL – RECEPTION	



Day 2

Chairpersons: Nisia Lima and Chikwe Ihekweazu

Time	Topic	
SESSION 3: DEFINING KEY PRIORITIES AND OVERAL OBJECTIVES OF THE GLOBAL RESEARCH ROADMAP		
08:30	<p>BY THEMATIC AREA Feedback on the deliberations by thematic area by designated Rapporteurs</p> <ol style="list-style-type: none"> 1. Virus: natural history and transmission and diagnostics 2. Animal and environmental research on the virus origin, and management measures at the human-animal interface 3. Epidemiological studies 4. Clinical characterization and management 5. Infection prevention and control, including health care workers' protection 6. Candidate therapeutics R&D 7. Candidate vaccines R&D 8. Ethical considerations for research 9. Social sciences in the outbreak response 	Designated Rapporteurs for each Thematic Area
11:00	COFFEE BREAK	
11:30	<ol style="list-style-type: none"> 1. What should be the overall objectives of a global research roadmap as a response to the current outbreak and in preparation for the future? 2. What are the most important actions to ensure successful evaluation and use (if appropriate) for any of the investigational interventions? 3. Available mechanisms for data and sample sharing 	<p>Plenary debate on the implications of the outcomes of the Thematic Areas</p> <p>Led by the Nisia Lima and Chikwe Ihekweazu</p>
13:00	LUNCH BREAK	
SESSION 4: OPTIMIZING FUNDING EFFORTS		
14:00	<p>GloPID-R principles and approaches : how we want to coordinate to optimize funding for research in this 2019 - nCoV outbreak ?</p> <p>What governance model could contribute to the successful funding and implementation of the research agenda during this outbreak?</p>	<p>Funders panel discussion</p> <p>Led by: Yazdan Yazdapanah (GLOPID-R Chair) and Jane Ellison (WHO Executive Director for External Relations & Governance)</p>
15:30	COFFEE BREAK	



Time	Topic	
SESSION 5: CONCLUSIONS AND NEXT STEPS		
16:00	Taking stock of deliberations and report back to Dr Tedros. <ul style="list-style-type: none"> - Overall objectives of a global research roadmap - Main knowledge gaps and research priorities - Model(s) of governance - Support required for success 	Jeremy Farrar, Marie-Paule Kieny, Nisia Lima Chikwe Ihekweazu
17:00	Next steps: Summary by the WHO Secretariat	Soumya Swaminathan WHO Chief Scientist
17:30	END OF THE MEETING	