One Health World Microbiome Partnership Summit
Paris, 20 June 2025

Declaration: Harnessing the Power of Microbiomes to Advance One Health

We, the undersigned, convened in Paris for the inaugural **One Health World Microbiome Partnership Summit**, commit to a shared vision for empowering One Health initiatives through the implementation of advances in microbiome science across the human, animal, plant and ecosystem domains.

Microbiomes (ie. microbiota and microbial communities) provide multiple and essential system functions in all of these domains, including but not limited to food web support, regeneration of nutrients, removal of pollutants, defense against pathogens, and greenhouse gas regulation.

We therefore affirm the critical role of microbiomes in supporting the health of the planet while addressing a growing number of global challenges including increases in non-communicable diseases, food insecurity and climate change.

We call on political, scientific, industrial and civil society leaders to recognize the microbiome as a key integral element of the One Health approach, and thereby acknowledge the fundamental roles that microbial communities play in addressing these key global challenges.

The core characteristics of the microbiome reflect the One Health concept – that is, interconnectedness, interdependence, mutual support and benefits in cooperation and which also embodies the vision of the World Microbiome Partnership.

We stress the urgent need to preserve microbial life and safeguard microbial diversity in the interest of the planet, before it irreversibly disappears, as it underpins health, ecosystem resilience, and future scientific innovation.

As convened by the **One Health World Microbiome Partnership Summit**, this declaration reflects our collective intent to:

1. **Mainstream the microbiome in One Health approaches**:
    - Advocate for the inclusion of microbiome research advances and principles in international One Health frameworks, declarations, and legislation focused on human, animal, plant and ecosystem health.

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- Collaborate with intergovernmental organizations to ensure evidence-based policy recommendations which include the microbiome.

2. **Foster innovation in microbiome research**:
    - Support collaborative research and a regulatory framework which will promote the market for microbiome-based solutions in human, animal, plant or ecosystem health.
    - Promote global regulatory harmonization and standardization for shared microbiome data and knowledge.
    - Encourage preservation of microbial strains, including biobanking and restoration initiatives, as key components of microbiome innovation and resilience.
    - Accelerate research progress by developing solutions that help identify technological gaps and overlaps.

3. **Build sustainable global microbiome partnerships**:
    - Identify fruitful synergies between professional sectors and geographic regions which will strengthen innovation capacity, across continents, including the Global South.
    - Promote equitable data sharing, knowledge exchange and collaborative research funding.
    - Ensure geographically balanced and broader professional participation and leadership from underrepresented regions and communities.
    - Promote ethics and open dialogues to inform the public about the benefits and risks potentially associated with microbiome-based innovations.

4. **Increase microbiome literacy and awareness about its relevance to daily life, health, and the environment:**
    - Promote user-friendly informative materials for use by media outlets and the public.
    - Amplify through the WMP network important public events, talks, workshops and conferences on microbiome research and its applications.
    - Consider AI applications to effectively mine information about the microbiome for useful applications and educational programs.
    - Advocate for inclusion of microbiome curricula in the medical, nutrition, veterinary, agricultural and the environmental science fields at all levels of education.

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By signing this declaration, we highlight the importance of the **microbiome** as an integral part of **One Health**, and we commit to creating space for inclusive, cross-disciplinary and cross- sectoral microbiome partnerships to give voice to our Vision.

We affirm that microbial life is a critical component of this Planet's biodiversity, and its conservation must be prioritized globally. We commit to bringing the most innovative microbiome advances and applications as a lever for equitable and sustainable global development and planetary health.

Signed in Paris, 20 June 2025

Co-signed by:

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