

The International Union of Microbiological Societies

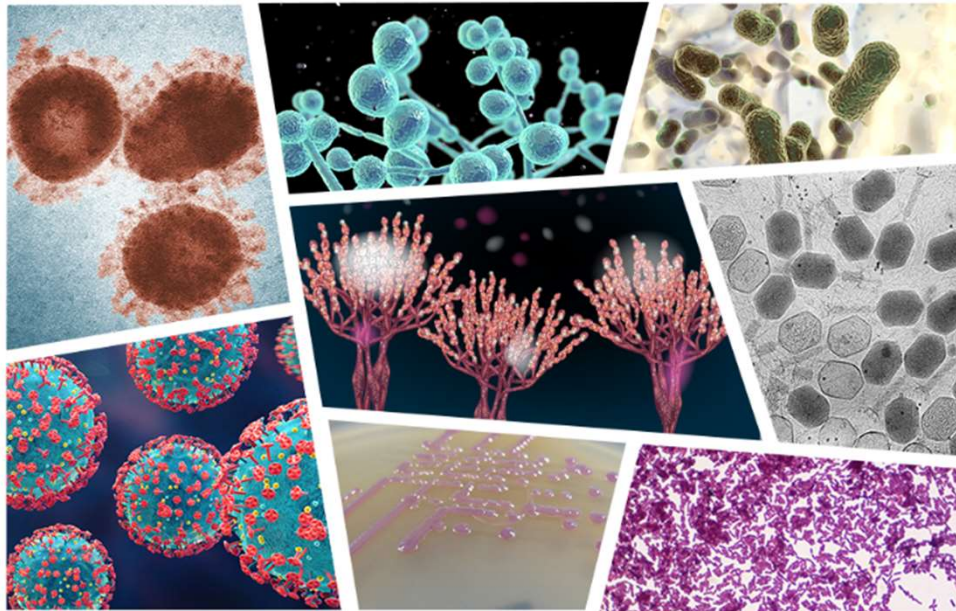
IUMS



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INTERNATIONAL UNION OF MICROBIOLOGICAL SOCIETIES

The International Union of Microbiological Societies (IUMS) is the voice of microorganisms bringing together regional and national societies of microbiology through the world.



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The International Union of Microbiological Societies



The International Union of Microbiological Societies was **founded in 1927** as the International Society for Microbiology.

IUMS is one of the 31 Scientific Unions of the International Council of Scientific Unions, a non-governmental organization with a unique global membership that brings together 40 international scientific Unions and Associations and over 140 national and regional scientific organizations

IUMS has **96 national member societies and 26 associate member societies** spread throughout the world and consists of three Divisions

- BACTERIOLOGY & APPLIED MICROBIOLOGY (BAM),
- MYCOLOGY AND EUKARYOTIC MICROBIOLOGY (MEM)
- VIROLOGY

The main activity of IUMS has been to organize a global meeting of microbiologists every three years

Grants to young scientists and scientists from developing countries to attend IUMS International Congresses.

Grants to member societies and COMCOFs for assistance in organizing workshops, training courses and scientific meetings

The International Union of Microbiological Societies



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IUMS is the voice of microorganisms

- Microorganisms were the **first form of life** to appear in our planet 3.8 billion years ago. 2.5 billion years ago they generated the first eukaryotic cell from which derived all animals and plants
- **All animals and plants, including humans, evolved and now survive in a world dominated by microbes that is inextricably linked to their functioning and survival** (Kent H. Redford, Conservation Biology)
- Our planet is populated by **1 trillion species** of microorganisms. They include bacteria, viruses, fungi, parasites, unicellular microorganisms
- A minority of them are pathogens (**1400 species**, 208 viruses or prions, 538 bacteria, 317 fungi, 57 protozoa, and 287 helminths) are also responsible of infectious diseases
- **999,99 billion species of microorganisms are useful and essential to the life in our planet**



United Nations Biodiversity Conference

COP15 / CP-MOP10 / NP-MOP4

Montreal, Canada, 7-19 December 2022

The Honourable Steven Guilbeault
Minister of Environment and Climate Change
Government of Canada



“ The UN Biodiversity Conference will be a historical event and we are excited to welcome the world to Montréal. Canada will be a collaborative and constructive partner towards the adoption of the post-2020 global biodiversity framework – our opportunity to provide a healthy, sustainable planet to future generations and all of Earth’s biodiversity. ”



#COP15

H.E. Mr. Huang Runqiu,
Minister of Ecology & Environment,
& President of the COP15
People’s Republic of China



“ Biodiversity loss is a challenge for humanity. As COP 15 Presidency, China is sparing no effort in promoting the adoption of the post-2020 global biodiversity framework. We stand ready to work with the international community to foster a just and equitable global biodiversity governance system that embodies the best efforts of all parties and build a shared future for all life on earth. ”



#COP15

Monitor biodiversity for action SCIENCE science.org

This week, Montreal, Canada, is at the epicenter of international negotiations for biodiversity. Thousands of people from around the world are attending the 15th Conference of the Parties to the United Nations Convention on Biological Diversity (COP15) to witness the negotiation of a new Global Biodiversity Framework. Its goals and targets re-

This knowledge gap can be filled over time if infrastructure and expert knowledge are available to implement the monitoring framework—a subject that is part of the negotiation process. International organizations such as the UN Environment Programme World Conservation Monitoring Centre and the Group on Earth Observations Biodiversity Observation Network (GEO BON) are offer-



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No microbiology in the agenda!!!!



A call to action

from IUMS, the International Union of Microbiological Societies

IUMS is worried about the dramatic impact that our civilization is having on the diversity of microorganisms that sustain the life in our planet. The intention of the new mission of IUMS is:

- To **raise the awareness** of the importance of microbes for every living organism, and for the planet itself
- To **mobilize the search for sustainable solutions** to save the microbes which will also help to save our planet.
- **Bring the diversity of microorganisms to the attention of United Nations**

A white paper



Rappuoli *et al. One Health Outlook* (2023) 5:5
<https://doi.org/10.1186/s42522-023-00077-2>




One Health Outlook

COMMENTARY

Open Access

Save the microbes to save the planet. A call to action of the International Union of the Microbiological Societies (IUMS)

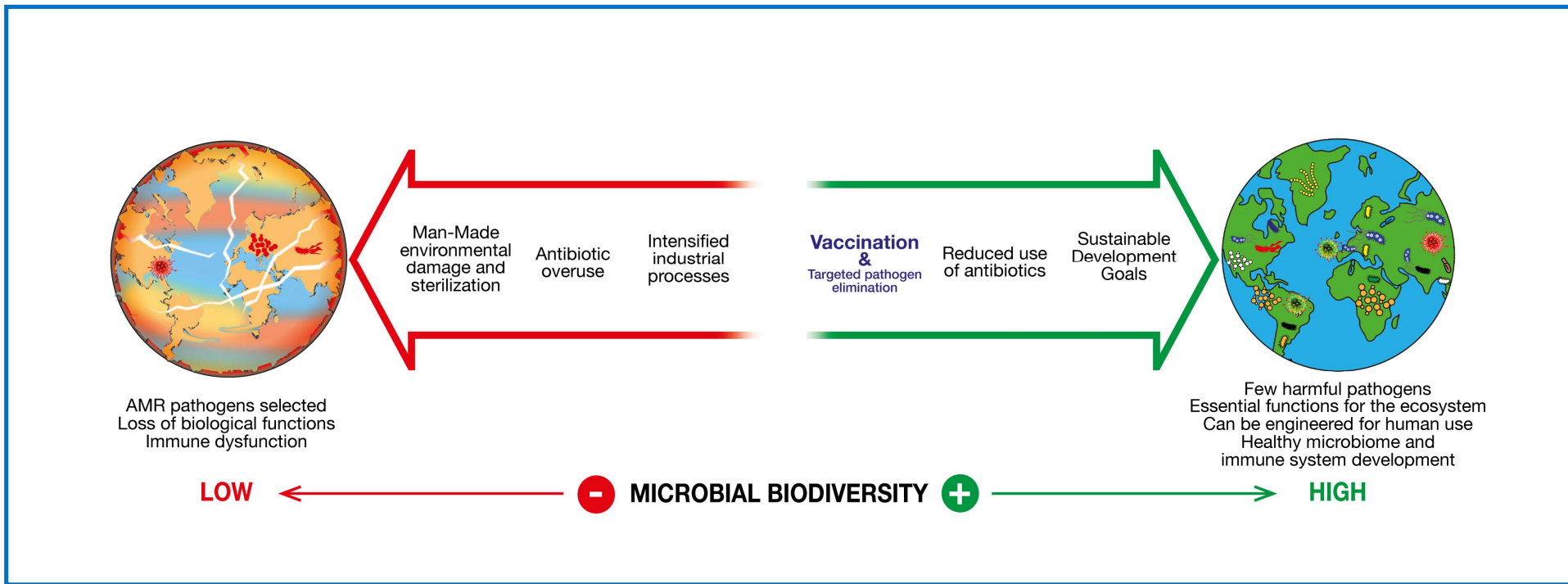


Rino Rappuoli^{1,2*} , Paul Young³ , Eliora Ron⁴, Simone Pecetta^{5,6}  and Mariagrazia Pizza^{5,7}

SAVE THE MICROBES TO SAVE THE PLANET



The **International Union of the Microbiological Societies (IUMS)** is deeply worried about the **loss of diversity of the microbial world** and published a paper entitled “**Save the Microbes to Save the planet**” which is a **call to action** to mobilize all microbiological societies globally to **support the achievement of the Sustainable Development Goals** by promoting the development of **sustainable solutions** to control infectious agents while **preserving the global microbial diversity and the healthy life of our planet.**



Please plan to be at the IUMS meeting

Florence, October 2024!

A unique opportunity to discuss

- Science
- The role of **microbiologists** in today's society
- To raise the voice of microbiology



The graphic is a large, stylized banner with a green and blue color scheme. It features a central image of the Florence Cathedral dome. To the left, there is a dark blue section with white text. To the right, there are three circular icons representing a microscope, a DNA helix, and a cell. Below the dome image, there is a blue virus-like particle and several blue rod-shaped bacteria. The text 'IUMS 2024' is prominently displayed in the top right, and 'SAVE THE DATE' is in a large, bold font at the bottom center. The dates 'OCTOBER 23-25 2024' and the full name of the organization are at the bottom.

IUMS 2024
Microorganisms for sustainable solutions:
environmental & clinical
implementations.

IUMS 2024

SAVE THE DATE

OCTOBER 23-25
2024

International Union of
Microbiological Societies
Florence, Italy



Thank you