

Microbiology Division

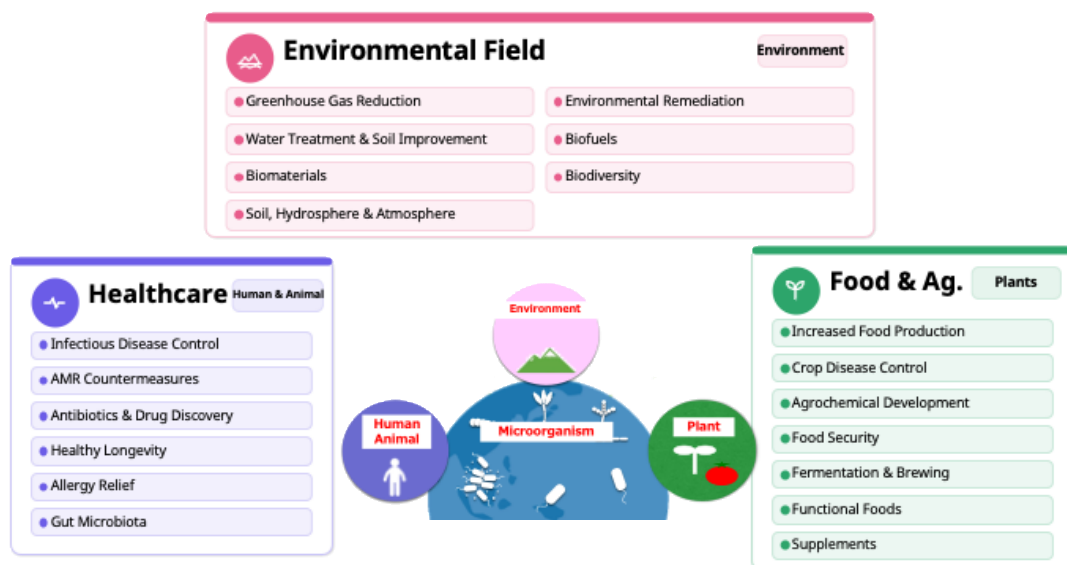
Advancing Microbial Research Across Disciplines—from Fundamentals to Applications—for a Sustainable Future

This research area focuses on microorganisms, which are deeply intertwined with the global environment and all life on Earth. By advancing cutting-edge research spanning both fundamental and applied science, we seek to deepen our understanding of microorganisms, drive the development of innovative technologies for their control and utilization, and contribute to solving a wide range of global challenges and building a sustainable society.

We also make our facilities, technologies, and expertise widely available to the broader community through open research facilities and consortia. In doing so, we support microbial research and foster the development of the next generation of researchers and professionals. Furthermore, by strengthening collaboration with research centers and institutions in Japan and around the world, we aim to serve as a hub that connects diverse fields of microbial research.

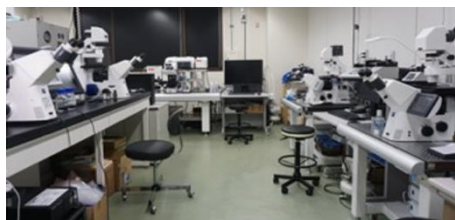
Overview and Mission

- Microorganisms play vital roles in humans, animals, plants, and the cycling of materials throughout the environment.
- By understanding, controlling, and harnessing microorganisms, we aim to address a wide range of societal and global challenges.



- We make our research facilities and technologies widely available to the research community, supporting microbial research while fostering the next generation of researchers and professionals.

Open Facilities Bio x AI



Photon Quantum microscopy Bio x Quantum



Bio manufacturing



Member

Area Director:
Nobuhiko Nomura
MiCS Faculty Members: 34

Recent Research



Grant-in-Aid for Scientific Research
(S): 1, (A): 2, (B): 7



Consortium Established



革新的GX技術創出事業

2



1



先進的カーボンニュートラル技術開発

2



創発的研究支援事業
Frontier Research Support Program

4



NEXUS 日ASEAN 科学技術・イノベーション協働連携事業
Networked Exchanges, United Strength for Stronger Partnerships between Japan and ASEAN

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