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Summary from FISH/MAR/PHA staining

- Large coccobacilli in clusters are β-*Proteobacteria*.
- Phylogenetically different from *Rhodocyclus*-related PAOs.
- Selective for acetate, glutamate, and aspartate.
- Store PHA.

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• Accumulate polyP.

A novel PAO candidate!





Institute of Environmental Studies - The University of Tokyo Future of the EBPR process (2)

From microbiological points of views:

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- The EBPR microbial community is still like a difficult microbiological puzzle.
- Molecular approaches will bring about significant amount of new fundamental information, but its practical usefulness is still unclear.
- The EBPR process is a very interesting target of microbial community analysis, leading to new insight into the complex microbial world.

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