Prof. Hiroto Tamura, Ph. D.

こんにちは

Welcome to my Lab!

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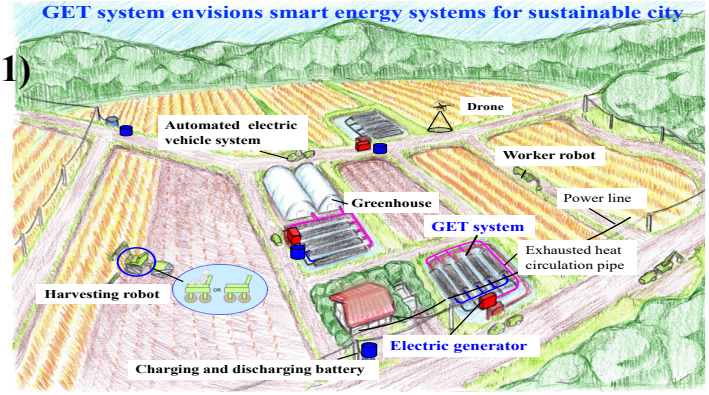
Our Goals

We are challenging ourselves to establish a sustainable society by utilizing the functions of microorganisms and cutting-edge analytical methods and biotechnology.

1)



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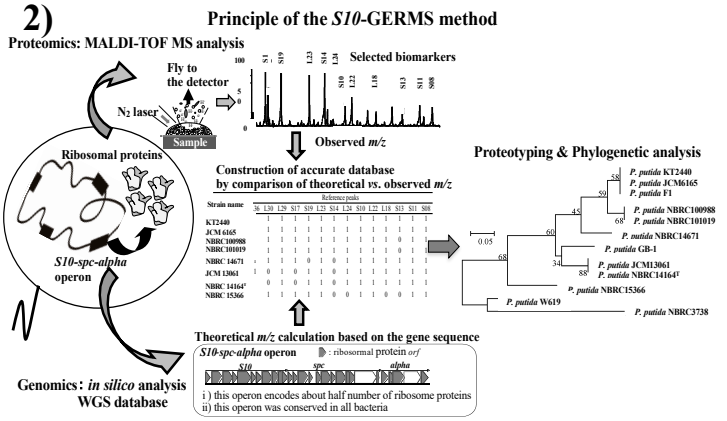

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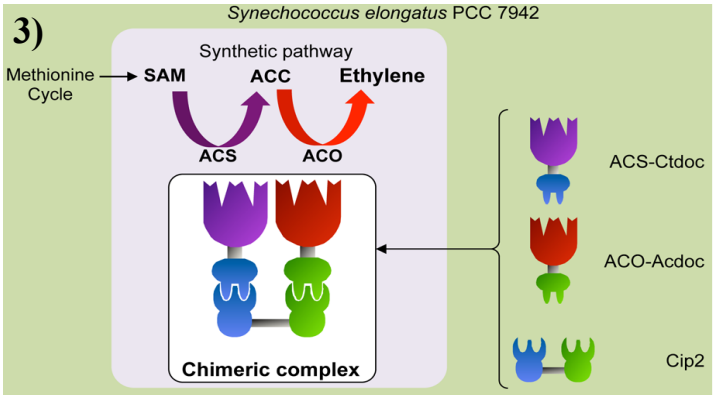

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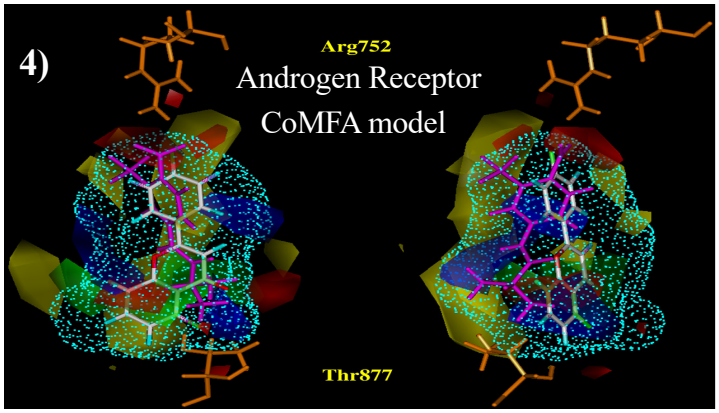

Our ongoing projects

1) Building an energy-creating sustainable society that produces biomethane efficiently by using rice straw and weeds as resources and rice paddies and unused land as natural fermentation tanks
Keyword; GET system

2) Establishment of a bacterial discrimination method using mass spectrometry based on data science that combines proteomics and genomics
Keyword; *S10*-GERMS method, Proteotyping, Strain Solution™

3) Construction of a super-cyanobacteria that uses CO_2 as a resource to produce ethylene using synthetic biology
'Joint research with Associate Professor S. Jindou, Ph. D., Faculty of Science and Technology, Meijo University'
Keyword; Cyanobacteria, Carbon dioxide, Bioethylene

4) Environmental fates of chemicals, and their toxicological assessment using computer science
Keyword; reporter gene assay, computer graphics, androgen, alkylphenol

URL Link to personal professional websites:
https://researchmap.jp/Hiroto_Tamura?lang=en