

Electronic Supplementary Information (ESI)

Modification of Carbon Foam with 4-Mercaptobenzoic Acid Functionalised Gold Nanoparticles for an Application in a Yeast-Based Microbial Fuel Cell

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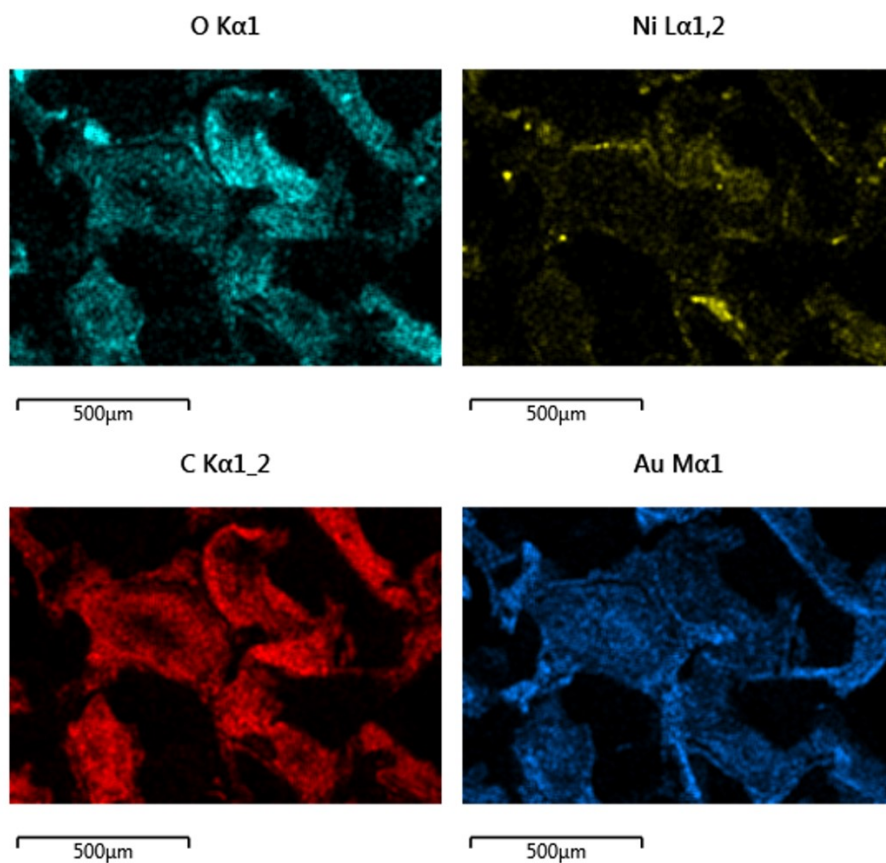


Figure S1. SEM-EDS mapping result of modified electrode AuNPs@CF

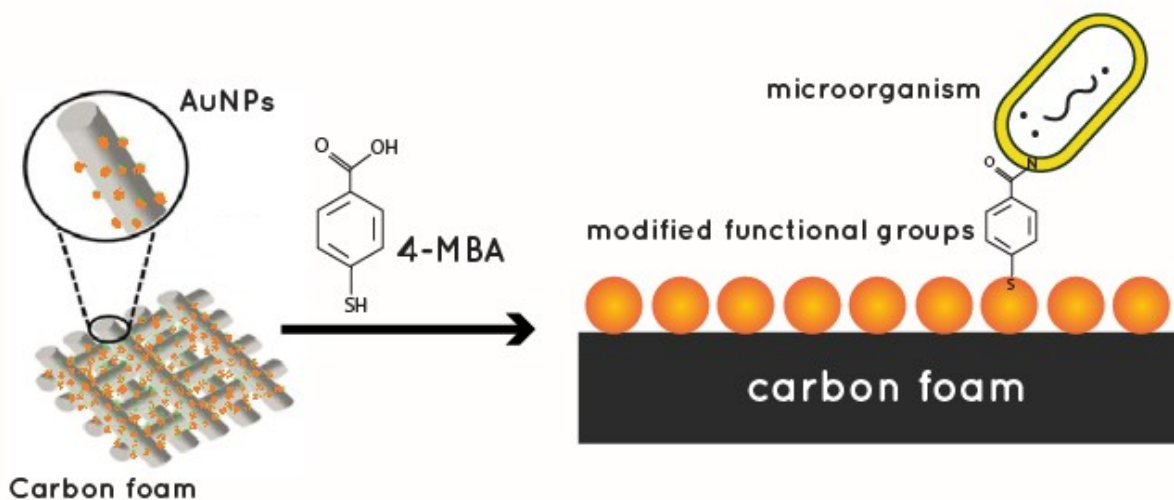


Fig. S2 Electrode modification of 4-MBA self-assembled monolayer formed on AuNPs@CF to facilitate microbe immobilization.

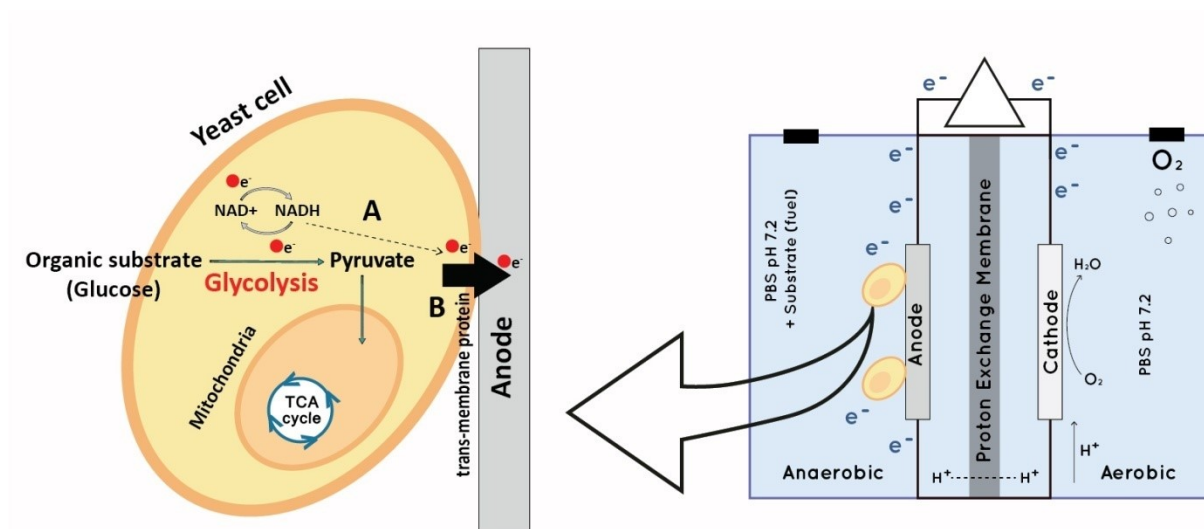


Fig. S3 Schematic representation of the proposed EET process pathway of *C. fukuyamaensis*. (A) Electron produced via anaerobic respiration, attributed to the redox reaction of NAD^+ , and (B) EET may occur through direct contact between the outer membrane protein of yeast cell and the electrode surface.