



Correction to: Circular Makerspaces as Alternative Employment Platforms for Circular Jobs

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Correction to: Circular Economy and Sustainability
<https://doi.org/10.1007/s43615-024-00413-2>.

The original online article has been updated to remove an unrelated abstract that was accidentally added below the proper abstract of the manuscript. The wrong abstract was:

"This project focused on the gene PFKFB3, a pivotal regulator of the Warburg effect, which facilitates enhanced glycolysis in cancer cells, including MCF7 human breast cancer lines. The objective was to investigate the effects of PFKFB3 knockout on the metabolic profile and proliferative capacity of MCF7 cells, hypothesizing that disruption of this gene would significantly impair cellular energy production and, consequently, cell growth. Through the application of CRISPR/Cas9 technology, PFKFB3 was specifically targeted

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and knocked out, followed by a meticulous process of selection to enrich for cells bearing the knockout. Growth assays, particularly MTT, were conducted to evaluate the impact of PFKFB3 deletion on cell proliferation. Contrary to expectations preliminary results indicated no significant difference in the growth rates between PFKFB3-knockout and control groups. This outcome suggests possible metabolic flexibility within MCF7 cells, allowing them to bypass the blockade of one glycolytic pathway—a concept supported by current understandings of cancer metabolism. Despite the lack of expected growth inhibition, this study provides critical insights into the adaptability of cancer cells to metabolic interventions and highlights the importance of targeting multiple metabolic pathways. Future directions will consider exploring the combined knockout of PFKFB3 and other glycolytic genes to overcome the metabolic resilience of cancer cells, thereby offering a more effective strategy for crippling cancer cell energy supplies."

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