

Review of: "[Research Note] Endoplasmic Reticulum Stress: Unfolding the Impact on Cellular Environment, Anaerobic Respiration, Tumor Activity, And the pre-glucolipotoxicity stage"

Raul Loera-Valencia¹

¹ Karolinska Institute Stockholm

Potential competing interests: No potential competing interests to declare.

The research note speaks of the involvement of several signaling pathways in the unfolded protein response; however, without mentioning the major contributors to these pathways (for example, autophagy or ubiquitination) or the references relevant to this asseveration. The same happens with the epigenetic effects on ER stress. The authors would benefit from pointing out the specific epigenetic alterations that they are referring to, at least in terms of silencing or promotion of gene expression, and any data on heritability would be the most clinically relevant information. Finally, I would like to see more information about the relationship between lipid metabolism and possible related pathways at the cellular levels, such as chaperone-mediated autophagy or autophagy in general in the context of lipid droplet accumulation and the production of metabolic stress. Thank you for bringing this topic to light.