Reviewer's report

**Title:** Tamoxifen Stimulates Arachidonic Acid Release from Rat Liver Cells by an Estrogen Receptor-Independent, Non-Genomic Mechanism.

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**Reviewer:** Basil Rigas

**Level of interest:** not specified

**Advice on publication:** Other (see below)

This is an interesting paper from a creative investigator with an illustrious career in eicosanoid biology. This manuscript, a continuation of his previous work, advances his novel notion that release of arachidonic acid is central to the antineoplastic properties of a variety of compounds; tamoxifen is one more example of this.

I have only a minor point: The statement that tamoxifen prevents cancer via this pathway (repeated in an appropriately qualified form later in this manuscript) is too strong and not directly supported by the data. In my judgment the correct would be "This may be part of the mechanism by which tamoxifen prevents cancer".

Finally, that this study was performed in liver cells may indicate either that the proposed mechanism is not restricted by tissue type or that tamoxifen's effect on breast cells (the direct pharmacological target of this compound) could be more pronounced.

**Competing interests:**

None declared.