

Review of: "[Review] The Studies of Lipid Phase Polymorphism in Model Membranes"

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Potential competing interests: No potential competing interests to declare.

In the current review the authors claim to present latest research in the lipid phase polymorphism in model membranes which they later tune with dynamics of mitochondrial membranes. The authors also include the use of molecules such as snake venom peptides in terms of modulating lipid organization in the membranes. These are important points but the authors have not done written the manuscript properly.

There are major issues such as - general outline of lipid distribution in membranes, any special features about mitochondrial membranes, why snake venom is important. These 3 points are totally independent and not connected at all.

Figure 1 is absolutely out of context. First figure should be overview or schematic of the review message.

I would suggest authors not only to modify the review according to above points but also to see some of the broad visibility reviews published in this area in recent times.

I the current format, the review is not acceptable for publication.