

Review of: "[Review] Contemporary Physical Methods in Studies of Lipid Phase Polymorphism"

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Potential competing interests: No potential competing interests to declare.

The review is recommended for publishing after some minor edits. I would suggest the authors make a tabular column in the conclusion comparing all the methods covered in the review, outlining their differences, on what each method's capability is to identify states and what they cannot. This would be a nice way to conclude the review. If the authors could add a few more paragraphs on the biological relevance with some pin pointed case studies in each of their sections that would be ideal as well. A future prospect on what the current stage of lipid polymorphism is and where more studies need to be focused on is something that is lacking in this review which if added could inspire other scientists to think on the field. Some other minor suggestions: I would change the phrase 'this/the chapter' in the introduction to 'this/the article'. The last paragraph has a typo wherein the word 'methods' is spelt wrong as methos.