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Dear Editor,

Please find our revised manuscript “**Spontaneous Formation and Rearrangement of Artificial Lipid Nanotube Networks as a Bottom-Up Model for Endoplasmic Reticulum**” by Elif Senem Köksal, Patrícia F. Belletati, Ganna Reint, Ragni Olsson, Kira Leidl, Ilayda Kantarci and Irep Gözen; which we are submitting to be considered for publication to JoVe.

Together with the revised manuscript with changes highlighted in green, we attach our point-by-point response to the referees’ questions and comments which have greatly helped to improve the manuscript.

We suggested in our original publication, and maintain that here, that the complexity of this early ER model can potentially be gradually increased. The method we present in this manuscript can enable the interested readership to build this model at their convenience, and explore further directions. In addition to serving mainly as a bottom-up model for the still incompletely understood cellular ER, the lipid route to nanotube networks described in this protocol can be interesting for researchers studying self-assembly, nanofluidics, single molecule and colloid transport phenomena, Marangoni flow and others. The presented method would therefore be of interest to a broad community of researchers and readers; and we are confident that our manuscript is suitable for JoVe.

All of the data presented were recently reproduced and not a part of the original publication in which the method was introduced. The manuscript is not under consideration with any other journal and there are no conflicts of interest.

We are looking forward to reading your decision.

Sincerely,

Irep Gözen