

20<sup>th</sup> July 2023

Dear Professor Gheorghe,

I am very pleased to be contacted with respect to a collaboration on your project proposal, Mem-ECOTEM: Unifying Approach in Membrane Computing; Expressivity, Complexity, Testing, Verification and Modelling.

I and my team are working on topics related to this project proposal – modelling, formal verification and testing, and their applications to a broad spectrum of problems, from engineering to systems and synthetic biology, including applications in industry. My research encompasses core aspects, funded by EPSRC, down to challenging industrial applications funded by Innovate UK. Membrane computing systems, especially their modelling and formal verification based applications in robotics and synthetic biology are of special interest to me. The research proposal led by you and the team working with you, tackles fundamental problems in membrane computing, such as unifying various modelling paradigms and searching for complex applications, aiming also to reach out to other research communities in search of new modelling paradigms, with great potential for applications. In this respect, my team and close collaborator, Dr Raluca Lefticaru, are very eager to work with you on this project, as collaborators, providing support on topics mentioned above.

I hope your project proposal will be successful and we will be working together on these very exciting research developments.

Sincerely yours,



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