

Scientific Quality: Grade A (Excellent)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: A very well structured and excellently written manuscript. The manuscript provided detailed review on the need for creative electrochemical detection of cancer in timely manner for early intervention. The authors adequately discussed the challenges of electrochemical detection: the manuscript outlined the challenges in electrochemical biosensor development: "challenges persist in terms of enhancing selectivity, enabling multiplexing, device miniaturization, biomarker validation, data interpretation, nanotoxicity and navigating regulatory approval". This manuscript discussed the importance of selectivity in electrochemical biosensing and highlighted the possibility of eliminating this challenge. The manuscript is a grammatically and scientifically well written manuscript. Also, this manuscript discussed the limitations and how these can be addressed.

Response: Thank you very much for your positive comments. The conclusion section has been revised as request.