2018-2019 Mid-Term Credibility Plan Review

PI: David Kaplan

#	Ten Simple Rules	REVIEWER #1		REVIEWER #2	
		Considered in the Credibility Plan?	Comments	Considered in the Credibility Plan?	Comments
1	Define context clearly	insufficient	The submitted document defines the M&S context rather broadly, e.g. prediction of biomaterial performance.	N/A	
2	Use appropriate data	sufficient	There are efforts for data management, which will help traceability. The proposed activities also imply that data relevant to M&S will be collected.	N/A	
3	Evaluate within context	insufficient	The document primarily focuses on reproducibility and reusability but not other aspects of evaluation. I suspect that these are performed but not necessarily referred to.	insufficient	
4	List limitations explicitly	insufficient	There is an expectation that reproducibility and reusability efforts can make limitations apparent. Not sure, how this will be ensured.	N/A	
5	Use version control	insufficient	No indication of implementation of a version control system. It is suspected that reproducibility and reusability efforts will require this but this is not known based on the document.	N/A	
6	Document adequately	sufficient	Papers, videos, tutorials will result in comprehensive documentation.	N/A	
7	Disseminate broadly	sufficient	Outreach activities are strong. It is not certain that methods, codes, scripts will be shared with the public. The document indicates that these are already shared among groups.	insufficient	
8	Get independent reviews	sufficient	While not directly mentioned, reproducibility and reusability activities will likely result in independent reviews. This needs to be confirmed.	insufficient	
9	Test competing implementations	insufficient	Attempt, or their lack thereof, are not noted.	N/A	
10	Conform to standards	insufficient	It seems like large collaborative base, reproducibility and reusability efforts will lead into de facto standards. However, there is no mention on adopting existing guidance.	N/A	

General Comments

Reviewer 1:
It will be useful if awardees can note other activities that can help assess credibility potential in a wholesome manner. My comments above are intended to be helpful in this regard.

Reviewer 2:
The report did not follow the suggested structure / template. We recommend the PI's team to review the TSR and incorporate TSR best practices to increase the level of model credibility communication and overall impact.