

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Methodology

**ESPS manuscript NO:** 19473

**Title:** Recombinant outer membrane protein F- B subunit of LT protein as a prophylactic measure against *Pseudomonas aeruginosa* burn infection in mice

**Reviewer's code:** 02445955

**Reviewer's country:** United States

**Science editor:** Yue-Li Tian

**Date sent for review:** 2015-05-11 17:48

**Date reviewed:** 2015-05-26 21:44

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

1) Section 2.9, please provide the temperature used for the thermal burn. 2) The results should provide evidence of the uniformity of depth of burn. 3) Section 3.4, add CFU units to bacterial load per gram tissue. 4) It is unclear to this reviewer as to whether the intent is to use OprF-LTB as a vaccine or post-burn therapeutic. The abstract states LTB-fused OprF might be a potential candidate protein for a prophylactic measure; however, the Intro states the aim was to evaluate the ability of this protein to induce an immune response, which suggests a vaccination approach. Please clarify. 5) For the efficacy study, it is unclear as to the timing of challenge with respect to immunizations. Please provide a more clear description of the immunization and challenge schedule. 6) Please provide further discussion as to the practicality of using OprF-LTB as a vaccine or post-burn therapeutic with respect to the clinical timing and presentation of *Pseudomonas* infection in burn patients.

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**Name of journal:** World Journal of Methodology

**ESPS manuscript NO:** 19473

**Title:** Recombinant outer membrane protein F- B subunit of LT protein as a prophylactic measure against *Pseudomonas aeruginosa* burn infection in mice

**Reviewer's code:** 02508408

**Reviewer's country:** Taiwan

**Science editor:** Yue-Li Tian

**Date sent for review:** 2015-05-11 17:48

**Date reviewed:** 2015-07-01 19:12

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

This is an interesting study regarding the use of Recombinant OprF-LTB protein to prevent *Pseudomonas aeruginosa* burn infection in mice. The subject is clinically relevant, and the findings of this study is significant. I would recommend expanding the discussion section to explain the potential use of this therapy as a prophylactic agent in humans.