

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 49368

**Title:** Identification of candidate biomarkers correlated with the pathogenesis of postoperative peritoneal adhesion using microarray analysis

**Reviewer's code:** 03475590

**Reviewer's country:** China

**Science editor:** Ya-Juan Ma

**Reviewer accepted review:** 2019-07-18 13:52

**Reviewer performed review:** 2019-07-25 13:20

**Review time:** 6 Days and 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

First, this study used microarray analysis to identify several candidate biomarkers involved in the development of postoperative peritoneal adhesion and explored the role of TLR4 / MyD88 / NF- $\kappa$ B. Second, through GEO and PPI, the author found that TNF,



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-223-8242  
**Fax:** +1-925-223-8243  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

IL1 $\beta$ , IL6, CXCL1, CXCL2 and other inflammatory factors were correlated with peritoneal adhesion. At the same time, the authors also explored the role of TLR4 / MyD88 / NF- $\kappa$ B in peritoneal adhesion. Third, the data for this study is based primarily on microarray data distribution, and it would be better if the authors could delve deeper into the specific mechanisms of peritoneal adhesion and how to avoid peritoneal adhesion.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No