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### Section 1. Identifying Information

1. **Given Name (First Name)**
   Sheng-Long

2. **Surname (Last Name)**
   Chen

3. **Date**
   19-October-2020

4. **Are you the corresponding author?**
   - Yes
   - No
   ✔

   **Corresponding Author's Name**
   Wen-Qiang Jiang; Miao-Yun Wen

5. **Manuscript Title**
   JAK/STAT signaling pathway-mediated microRNA-181b promoted blood-brain barrier impairment by targeting sphingosine-1-phosphate receptor 1 in septic rats

6. **Manuscript Identifying Number (if you know it)**
   ATM-20-7024

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- Yes
- No

   ✔

### Section 3. Relevant financial activities outside the submitted work.

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- No

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Dr. Chen has nothing to disclose.

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ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

1. Given Name (First Name)  Geng-Xin
2. Surname (Last Name)  Cai

3. Date  19-October-2020

4. Are you the corresponding author?  ❑ Yes  ❑ No  Corresponding Author's Name  Wen-Qiang Jiang; Miao-Yun Wen

5. Manuscript Title  JAK/STAT signaling pathway-mediated microRNA-181b promoted blood-brain barrier impairment through the JAK/STAT signaling pathway by targeting sphingosine-1-phosphate receptor 1 in septic rats

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Dr. Cai has nothing to disclose.

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   Hong-Guang

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   Ding

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Section 1. Identifying Information
1. Given Name (First Name)  
   Xin-Qiang
2. Surname (Last Name)  
   Liu
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   Corresponding Author’s Name  
   Wen-Qiang Jiang; Miao-Yun Wen
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Dr. Liu has nothing to disclose.

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Section 1. Identifying Information

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Zhong-Hua

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Wang

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Dr. Wang has nothing to disclose.

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### Section 1. Identifying Information

| 1. Given Name (First Name) | 2. Surname (Last Name) | 3. Date         |
|---------------------------|------------------------|----------------|
| Yuan-Wen                  | Jing                   | 19-October-2020 |

4. Are you the corresponding author?  
☑ Yes  ☐ No  

Corresponding Author's Name  
Wen-Qiang Jiang; Miao-Yun Wen

5. Manuscript Title  
JAK/STAT signaling pathway-mediated microRNA-181b promoted blood-brain barrier impairment through the JAK/STAT signaling pathway by targeting sphingosine-1-phosphate receptor 1 in septic rats

6. Manuscript Identifying Number (if you know it)  
ATM-20-7024

### Section 2. The Work Under Consideration for Publication

Did you or your institution at any time receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?  
☐ Yes  ☑ No

Are there any relevant conflicts of interest?  
☑ Yes  ☐ No

### Section 3. Relevant financial activities outside the submitted work.

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☑ Yes  ☐ No

### Section 4. Intellectual Property -- Patents & Copyrights

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Dr. Jing has nothing to disclose.

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ICMJE Form for Disclosure of Potential Conflicts of Interest

**Section 1. Identifying Information**

1. Given Name (First Name)  
   Yong-Li
2. Surname (Last Name)  
   Han
3. Date  
   19-October-2020
4. Are you the corresponding author?  
   Yes ☐  No ☑

   Corresponding Author's Name  
   Wen-Qiang Jiang; Miao-Yun Wen

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Are there any relevant conflicts of interest?  
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Dr. Han has nothing to disclose.

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### Section 1. Identifying Information

1. Given Name (First Name)  
   Wen-Qiang
2. Surname (Last Name)  
   Jiang
3. Date  
   19-October-2020
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   ✓ Yes  
   No
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   Miao-Yun

2. Surname (Last Name)
   Wen

3. Date
   19-October-2020

4. Are you the corresponding author?  
   ✔ Yes  ☐ No

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