ICMJE DISCLOSURE FORM

Date: September 16th, 2021
Your Name: Sang Luo
Manuscript Title: Changes in the hepatic differentiation potential of human mesenchymal stem cells aged in vitro
Manuscript number (if known): ATM-21-4918

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. “Related” means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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In item #1 below, report all support for the work reported in this manuscript without time limit. For all other items, the time frame for disclosure is the past 36 months.

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|   | No time limit for this item. | |
| **Time frame: past 36 months** | | |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | __ X __ None |
| 3 | Royalties or licenses | __ X __ None |
| 4 | Consulting fees | __ X __ None |
|   |                                                                                              |   |
|---|-----------------------------------------------------------------------------------------------|---|
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | X None |
| 6 | Payment for expert testimony                                                                | X None |
| 7 | Support for attending meetings and/or travel                                                 | X None |
| 8 | Patents planned, issued or pending                                                            | X None |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board                           | X None |
| 10| Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | X None |
| 11| Stock or stock options                                                                      | X None |
| 12| Receipt of equipment, materials, drugs, medical writing, gifts or other services             | X None |
| 13| Other financial or non-financial interests                                                    | X None |

**Please summarize the above conflict of interest in the following box:**

The author declares no competing interests.

**Please place an “X” next to the following statement to indicate your agreement:**

_X_ I certify that I have answered every question and have not altered the wording of any of the questions on this form.
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Date: September 16th, 2021
Your Name: Shuai Xiao
Manuscript Title: Changes in the hepatic differentiation potential of human mesenchymal stem cells aged *in vitro*
Manuscript number (if known): ATM-21-4918

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|---|----------------------------------------------------------------------------------|
| 2 | __ X __None                                                                         |
| 3 | __ X __None                                                                         |
| 4 | __ X __None                                                                         |

Time frame: past 36 months
|   | Description                                                                 | Response     |
|---|------------------------------------------------------------------------------|--------------|
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | X None       |
| 6 | Payment for expert testimony                                                 | X None       |
| 7 | Support for attending meetings and/or travel                                 | X None       |
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|13 | Other financial or non-financial interests                                   | X None       |

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Date: September 16th, 2021  
Your Name: Yang Ai  
Manuscript Title: Changes in the hepatic differentiation potential of human mesenchymal stem cells aged in vitro  
Manuscript number (if known): ATM-21-4918

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|   | Description                                                                 | Agreement |
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ICMJE DISCLOSURE FORM

Date: September 16th, 2021
Your Name: Ben Wang
Manuscript Title: Changes in the hepatic differentiation potential of human mesenchymal stem cells aged *in vitro*
Manuscript number (if known): ATM-21-4918

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ICMJE DISCLOSURE FORM

Date: September 16th, 2021
Your Name: Yefu Wang
Manuscript Title: Changes in the hepatic differentiation potential of human mesenchymal stem cells aged in vitro
Manuscript number (if known): ATM-21-4918

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|   | __ X __None                                                                                   |                                                                                   |
|   |                                                                                               |                                                                                   |
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|   |                                                                                               |                                                                                   |
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|   |                                                                                               |                                                                                   |
| 4 | Consulting fees                                                                              | __ X __None                                                                      |
|   |                                                                                               |                                                                                   |
|   | Conflict of Interest                         | X   | None |
|---|---------------------------------------------|-----|------|
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