| Date:22 April, 2021   |
|---|
| Your Name: Feng Xie   |
| Manuscript Title:An experimental study on a piezoelectric vibration energy harvester for self-powered |
| cardiac pacemakers  |
| Manuscript number (if known):Unknown  |

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.

The following questions apply to the author's relationships/activities/interests as they relate to the <u>current</u> <u>manuscript only</u>.

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|   |   | Name all entities with whom you have this relationship or indicate none (add rows as needed)  Time frame: Since the initial | Specifications/Comments (e.g., if payments were made to you or to your institution) |
|---|---|---|---|
| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.)  No time limit for this item. | None  |   |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above).  | Time frame: pastNone  | 36 months   |
| 3 | Royalties or licenses   | None  |   |
| 4 | Consulting fees   | None  |   |

| 5   | Payment or honoraria for                     | None                         |               |
|-----|--|------------------------------|---------------|
|     | lectures, presentations,                     |                              |               |
|     | speakers bureaus,                            |                              |               |
|     | manuscript writing or                        |                              |               |
|     | educational events                           |                              |               |
| 6   | Payment for expert                           | None                         |               |
|     | testimony                                    |                              |               |
|     |  |                              |               |
| 7   | Support for attending meetings and/or travel | None                         |               |
|     | meetings unity of craver                     |                              |               |
|     |  |                              |               |
| 8   | Patents planned, issued or                   | None                         |               |
|     | pending                                      |                              |               |
|     |  |                              |               |
| 9   | Participation on a Data                      | None                         |               |
|     | Safety Monitoring Board or                   |                              |               |
|     | Advisory Board                               |                              |               |
| 10  | Leadership or fiduciary role                 | None                         |               |
|     | in other board, society,                     |                              |               |
|     | committee or advocacy                        |                              |               |
|     | group, paid or unpaid                        |                              |               |
| 11  | Stock or stock options                       | None                         |               |
|     |  |                              |               |
|     | _  |                              |               |
| 12  | Receipt of equipment,                        | None                         |               |
|     | materials, drugs, medical                    |                              |               |
|     | writing, gifts or other services             |                              |               |
| 13  | Other financial or non-                      | None                         |               |
|     | financial interests                          |                              |               |
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| Dle | ase summarize the above o                    | onflict of interest in the f | ollowing hove |

| I have completed the ICMJE uniform disclosure form. I have no conflicts of interest to declare. |
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| Date:22 April, 2021   |  |
|---|--|
| Your Name: Xiaoqing Qian_   |  |
| Manuscript Title:An experimental study on a piezoelectric vibration energy harvester for self-powered |  |
| cardiac pacemakers  |  |
| Manuscript number (if known):Unknown  |  |

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|   |   | Name all entities with whom you have this relationship or indicate none (add rows as needed) | Specifications/Comments (e.g., if payments were made to you or to your institution) |
|---|---|--|---|
|   |   | Time frame: Since the initial  | planning of the work  |
| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.)  No time limit for this item. | None   |   |
|   |   | Time frame: past   | 36 months   |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above).  | None   |   |
| 3 | Royalties or licenses   | None   |   |
| 4 | Consulting fees   | None   |   |

| 5   | Payment or honoraria for                     | None                         |               |
|-----|--|------------------------------|---------------|
|     | lectures, presentations,                     |                              |               |
|     | speakers bureaus,                            |                              |               |
|     | manuscript writing or                        |                              |               |
|     | educational events                           |                              |               |
| 6   | Payment for expert                           | None                         |               |
|     | testimony                                    |                              |               |
|     |  |                              |               |
| 7   | Support for attending meetings and/or travel | None                         |               |
|     | meetings unity of craver                     |                              |               |
|     |  |                              |               |
| 8   | Patents planned, issued or                   | None                         |               |
|     | pending                                      |                              |               |
|     |  |                              |               |
| 9   | Participation on a Data                      | None                         |               |
|     | Safety Monitoring Board or                   |                              |               |
|     | Advisory Board                               |                              |               |
| 10  | Leadership or fiduciary role                 | None                         |               |
|     | in other board, society,                     |                              |               |
|     | committee or advocacy                        |                              |               |
|     | group, paid or unpaid                        |                              |               |
| 11  | Stock or stock options                       | None                         |               |
|     |  |                              |               |
|     | _  |                              |               |
| 12  | Receipt of equipment,                        | None                         |               |
|     | materials, drugs, medical                    |                              |               |
|     | writing, gifts or other services             |                              |               |
| 13  | Other financial or non-                      | None                         |               |
|     | financial interests                          |                              |               |
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| Dle | ase summarize the above o                    | onflict of interest in the f | ollowing hove |

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| Date:22 April, 2021   |
|---|
| Your Name: Ning Li_   |
| Manuscript Title:An experimental study on a piezoelectric vibration energy harvester for self-powered |
| cardiac pacemakers  |
| Manuscript number (if known):Unknown  |

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|   |   | Time frame: Since the initial  | planning of the work  |
| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.)  No time limit for this item. | None   |   |
|   |   | Time frame: past   | 36 months   |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above).  | None   |   |
| 3 | Royalties or licenses   | None   |   |
| 4 | Consulting fees   | None   |   |

| 5   | Payment or honoraria for                     | None                         |               |
|-----|--|------------------------------|---------------|
|     | lectures, presentations,                     |                              |               |
|     | speakers bureaus,                            |                              |               |
|     | manuscript writing or                        |                              |               |
|     | educational events                           |                              |               |
| 6   | Payment for expert                           | None                         |               |
|     | testimony                                    |                              |               |
|     |  |                              |               |
| 7   | Support for attending meetings and/or travel | None                         |               |
|     | meetings unity of craver                     |                              |               |
|     |  |                              |               |
| 8   | Patents planned, issued or                   | None                         |               |
|     | pending                                      |                              |               |
|     |  |                              |               |
| 9   | Participation on a Data                      | None                         |               |
|     | Safety Monitoring Board or                   |                              |               |
|     | Advisory Board                               |                              |               |
| 10  | Leadership or fiduciary role                 | None                         |               |
|     | in other board, society,                     |                              |               |
|     | committee or advocacy                        |                              |               |
|     | group, paid or unpaid                        |                              |               |
| 11  | Stock or stock options                       | None                         |               |
|     |  |                              |               |
|     | _  |                              |               |
| 12  | Receipt of equipment,                        | None                         |               |
|     | materials, drugs, medical                    |                              |               |
|     | writing, gifts or other services             |                              |               |
| 13  | Other financial or non-                      | None                         |               |
|     | financial interests                          |                              |               |
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| Dle | ase summarize the above o                    | onflict of interest in the f | ollowing hove |

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| Date:22 April, 2021   |
|---|
| Your Name:Daxiang Cui   |
| Manuscript Title:An experimental study on a piezoelectric vibration energy harvester for self-powered |
| cardiac pacemakers  |
| Manuscript number (if known): Unknown   |

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| 3 | Royalties or licenses   | None  |   |
| 4 | Consulting fees   | None  |   |

| 5   | Payment or honoraria for                     | None                         |               |
|-----|--|------------------------------|---------------|
|     | lectures, presentations,                     |                              |               |
|     | speakers bureaus,                            |                              |               |
|     | manuscript writing or                        |                              |               |
|     | educational events                           |                              |               |
| 6   | Payment for expert                           | None                         |               |
|     | testimony                                    |                              |               |
|     |  |                              |               |
| 7   | Support for attending meetings and/or travel | None                         |               |
|     | meetings unity of craver                     |                              |               |
|     |  |                              |               |
| 8   | Patents planned, issued or                   | None                         |               |
|     | pending                                      |                              |               |
|     |  |                              |               |
| 9   | Participation on a Data                      | None                         |               |
|     | Safety Monitoring Board or                   |                              |               |
|     | Advisory Board                               |                              |               |
| 10  | Leadership or fiduciary role                 | None                         |               |
|     | in other board, society,                     |                              |               |
|     | committee or advocacy                        |                              |               |
|     | group, paid or unpaid                        |                              |               |
| 11  | Stock or stock options                       | None                         |               |
|     |  |                              |               |
|     | _  |                              |               |
| 12  | Receipt of equipment,                        | None                         |               |
|     | materials, drugs, medical                    |                              |               |
|     | writing, gifts or other services             |                              |               |
| 13  | Other financial or non-                      | None                         |               |
|     | financial interests                          |                              |               |
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| Dle | ase summarize the above o                    | onflict of interest in the f | ollowing hove |

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| Date:22 April, 2021   |
|---|
| Your Name:Hao Zhang   |
| Manuscript Title:An experimental study on a piezoelectric vibration energy harvester for self-powered |
| cardiac pacemakers  |
| Manuscript number (if known):Unknown  |

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| 3 | Royalties or licenses   | None   |   |
| 4 | Consulting fees   | None   |   |

| 5   | Payment or honoraria for                     | None                         |               |
|-----|--|------------------------------|---------------|
|     | lectures, presentations,                     |                              |               |
|     | speakers bureaus,                            |                              |               |
|     | manuscript writing or                        |                              |               |
|     | educational events                           |                              |               |
| 6   | Payment for expert                           | None                         |               |
|     | testimony                                    |                              |               |
|     |  |                              |               |
| 7   | Support for attending meetings and/or travel | None                         |               |
|     | meetings unity of craver                     |                              |               |
|     |  |                              |               |
| 8   | Patents planned, issued or                   | None                         |               |
|     | pending                                      |                              |               |
|     |  |                              |               |
| 9   | Participation on a Data                      | None                         |               |
|     | Safety Monitoring Board or                   |                              |               |
|     | Advisory Board                               |                              |               |
| 10  | Leadership or fiduciary role                 | None                         |               |
|     | in other board, society,                     |                              |               |
|     | committee or advocacy                        |                              |               |
|     | group, paid or unpaid                        |                              |               |
| 11  | Stock or stock options                       | None                         |               |
|     |  |                              |               |
|     | _  |                              |               |
| 12  | Receipt of equipment,                        | None                         |               |
|     | materials, drugs, medical                    |                              |               |
|     | writing, gifts or other services             |                              |               |
| 13  | Other financial or non-                      | None                         |               |
|     | financial interests                          |                              |               |
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| Dle | ase summarize the above o                    | onflict of interest in the f | ollowing hove |

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| Date:22 April, 2021   |
|---|
| Your Name:Zhiyun Xu   |
| Manuscript Title:An experimental study on a piezoelectric vibration energy harvester for self-powered |
| cardiac pacemakers  |
| Manuscript number (if known): Unknown   |

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| 4 | Consulting fees   | None  |   |

| 5   | Payment or honoraria for                     | None                         |               |
|-----|--|------------------------------|---------------|
|     | lectures, presentations,                     |                              |               |
|     | speakers bureaus,                            |                              |               |
|     | manuscript writing or                        |                              |               |
|     | educational events                           |                              |               |
| 6   | Payment for expert                           | None                         |               |
|     | testimony                                    |                              |               |
|     |  |                              |               |
| 7   | Support for attending meetings and/or travel | None                         |               |
|     | meetings unity of craver                     |                              |               |
|     |  |                              |               |
| 8   | Patents planned, issued or                   | None                         |               |
|     | pending                                      |                              |               |
|     |  |                              |               |
| 9   | Participation on a Data                      | None                         |               |
|     | Safety Monitoring Board or                   |                              |               |
|     | Advisory Board                               |                              |               |
| 10  | Leadership or fiduciary role                 | None                         |               |
|     | in other board, society,                     |                              |               |
|     | committee or advocacy                        |                              |               |
|     | group, paid or unpaid                        |                              |               |
| 11  | Stock or stock options                       | None                         |               |
|     |  |                              |               |
|     | _  |                              |               |
| 12  | Receipt of equipment,                        | None                         |               |
|     | materials, drugs, medical                    |                              |               |
|     | writing, gifts or other services             |                              |               |
| 13  | Other financial or non-                      | None                         |               |
|     | financial interests                          |                              |               |
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