ICMJE DISCLOSURE FORM

Date: 22/07/2021
Your Name: Zhifeng Wang
Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes
Manuscript number (if known): ____________________________________________

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 current manuscript only.

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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.

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

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

None.

**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.
ICMJE DISCLOSURE FORM

Date: 22/07/2021
Your Name: Zihao Chen
Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes
Manuscript number (if known): 

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| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) | None                                                                               |
|   | **No time limit for this item.**                                                               |                                                                                   |

Time frame: Since the initial planning of the work

|   | Specifications/Comments (e.g., if payments were made to you or to your institution) |
|---|-----------------------------------------------------------------------------------|
| 1 |                                                                                   |

Time frame: past 36 months

|   | Specifications/Comments (e.g., if payments were made to you or to your institution) |
|---|-----------------------------------------------------------------------------------|
| 2 |                                                                                   |
| 3 |                                                                                   |
| 4 |                                                                                   |
|   | Description                                                                                                                                   | Answer |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None   |
| 6 | Payment for expert testimony                                                                                                                 | None   |
| 7 | Support for attending meetings and/or travel                                                                                                 | None   |
| 8 | Patents planned, issued or pending                                                                                                           | None   |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board                                                                            | None   |
|10 | Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid                                             | None   |
|11 | Stock or stock options                                                                                                                        | None   |
|12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services                                                              | None   |
|13 | Other financial or non-financial interests                                                                                                   | None   |

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Date: 22/07/2021
Your Name: Hongfan Zhao
Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes
Manuscript number (if known): ___________________________________________________________

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|---|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|   | Time frame: Since the initial planning of the work                                               |                                                                                   |
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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).                      | ___ None                                                                          |
| 3 | Royalties or licenses                                                                          | ___ None                                                                          |
| 4 | Consulting fees                                                                               | ___ None                                                                          |
|   | Conflicts of Interest                                                                 |
|---|-------------------------------------------------------------------------------------|
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None |
| 6 | Payment for expert testimony                                                          | None |
| 7 | Support for attending meetings and/or travel                                          | None |
| 8 | Patents planned, issued or pending                                                     | None |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board                      | None |
| 10| Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | None |
| 11| Stock or stock options                                                                | None |
| 12| Receipt of equipment, materials, drugs, medical writing, gifts or other services       | None |
| 13| Other financial or non-financial interests                                            | None |

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Date: 22/07/2021
Your Name: Hao Lin
Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes
Manuscript number (if known): ____________________________________________________________________

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|---|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) | None |
|   | **Time frame: Since the initial planning of the work** | **None** |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | None |
| 3 | Royalties or licenses | None |
| 4 | Consulting fees | None |

Time frame: past 36 months
|   | Conflict of Interest Category                                                                 | None |
|---|---------------------------------------------|------|
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None |
| 6 | Payment for expert testimony                 | None |
| 7 | Support for attending meetings and/or travel | None |
| 8 | Patents planned, issued or pending            | None |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | None |
| 10| Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | None |
| 11| Stock or stock options                        | None |
| 12| Receipt of equipment, materials, drugs, medical writing, gifts or other services | None |
| 13| Other financial or non-financial interests     | None |

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None

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ICMJE DISCLOSURE FORM

Date: 22/07/2021
Your Name: Junjie Wang
Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes
Manuscript number (if known): __________________________________________________________

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| 1 | No time limit for this item. | **None** |

| **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 lectures, presentations, speakers bureaus, manuscript writing or educational events** | __None__ |
| 6 | **Payment for expert testimony**                                | __None__ |
| 7 | **Support for attending meetings and/or travel**                | __None__ |
| 8 | **Patents planned, issued or pending**                          | __None__ |
| 9 | **Participation on a Data Safety Monitoring Board or Advisory Board** | __None__ |
| 10| **Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid** | __None__ |
| 11| **Stock or stock options**                                     | __None__ |
| 12| **Receipt of equipment, materials, drugs, medical writing, gifts or other services** | __None__ |
| 13| **Other financial or non-financial interests**                  | __None__ |

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None.

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Date: 22/07/2021
Your Name: Ning Wang
Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes
Manuscript number (if known): ________________________________

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|---|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1 | ____None                                                                                       | ____None                                                                       |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above).                      | ____None                                                                       |
| 3 | Royalties or licenses                                                                          | ____None                                                                       |
| 4 | Consulting fees                                                                               | ____None                                                                       |
|   | Description                                                                 | None |
|---|------------------------------------------------------------------------------|------|
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None |
| 6 | Payment for expert testimony                                                   | None |
| 7 | Support for attending meetings and/or travel                                   | None |
| 8 | Patents planned, issued or pending                                             | None |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board              | None |
| 10| Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | None |
| 11| Stock or stock options                                                         | None |
| 12| Receipt of equipment, materials, drugs, medical writing, gifts or other services | None |
| 13| Other financial or non-financial interests                                     | None |

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ICMJE DISCLOSURE FORM

Date: 22/07/2021  
Your Name: Xiqing Li

Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes

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| 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 lectures, presentations,              | None |
|   | speakers bureaus, manuscript writing or educational events     |   |
| 6 | Payment for expert testimony                                  | None |
| 7 | Support for attending meetings and/or travel                   | None |
| 8 | Patents planned, issued or pending                             | None |
| 9 | Participation on a Data Safety Monitoring Board or Advisory     | None |
|   | Board                                                          |   |
| 10| Leadership or fiduciary role in other board, society,          | None |
|   | committee or advocacy group, paid or unpaid                    |   |
| 11| Stock or stock options                                        | None |
| 12| Receipt of equipment, materials, drugs, medical writing, gifts  | None |
|   | or other services                                              |   |
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Date: 22/07/2021
Your Name: Degang Ding
Manuscript Title: ISPRF: a machine learning model to predict the immune subtype of kidney cancer samples by four genes
Manuscript number (if known): ____________________________________________________________________

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**Time frame: Since the initial planning of the work**

|   | 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 |
|   | Question                                                                 | Answer |
|---|--------------------------------------------------------------------------|--------|
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus,     | None   |
|   | manuscript writing or educational events                                 |        |
| 6 | Payment for expert testimony                                             | None   |
| 7 | Support for attending meetings and/or travel                             | None   |
| 8 | Patents planned, issued or pending                                       | None   |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board        | None   |
| 10| Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | None |
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