ICMJE DISCLOSURE FORM

Date: 6/5/2022
Your Name: Christopher McMaster
Manuscript Title: Artificial Intelligence and Deep Learning for Rheumatologists: A Primer and Review of the Literature
Manuscript number (if known): ar-22-0309

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.

The author’s relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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

Time frame: Since the initial planning of the work

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

Date: 6/5/2022
Your Name: Claire Owen
Manuscript Title: Artificial Intelligence and Deep Learning for Rheumatologists: A Primer and Review of the Literature
Manuscript number (if known): ar-22-0309

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.

The author’s relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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.

|   | 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) |
|---|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 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.**                                                                 |                                                                                  |

|   |                                                                 |                                                                 |
|---|----------------------------------------------------------------|--------------------------------------------------------------------------|
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | None |
| 3 | Royalties or licenses                                            | None |
| 4 | Consulting fees                                                 | None |
|   | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | X | Speaking honoraria from Janssen, Roche and Novartis |
|---|------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------|
| 6 | Payment for expert testimony | None |
| 7 | Support for attending meetings and/or travel | X | Financial support from Roche for attendance at ACR2019 |
| 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 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: 6/5/2022
Your Name: David Liew
Manuscript Title: Artificial Intelligence and Deep Learning for Rheumatologists: A Primer and Review of the Literature
Manuscript number (if known): ar-22-0309

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.

The author’s relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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 | Description | Time frame: Since the initial planning of the work | 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.) | X None | |
| 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 | |
|   | Description                                                                 | Answer |
|---|-----------------------------------------------------------------------------|--------|
| 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 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: 6/5/22
Your Name: Russell R C Buchanan
Manuscript Title: Artificial Intelligence and Deep Learning for Rheumatologists: A Primer and Review of the Literature
Manuscript number (if known): ar-22-0309

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.

The author’s relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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.

|   | 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) |
|---|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 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.** | X None                                                                             |
| 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                                                                             |

Time frame: Since the initial planning of the work

Time frame: past 36 months
|   | Description                                                                 | Answer |
|---|------------------------------------------------------------------------------|--------|
| 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 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: 9/5/22
Your Name: Alix Bird
Manuscript Title: Artificial Intelligence and Deep Learning for Rheumatologists
Manuscript number (if known): ar-22-0309

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.

The author’s relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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.

| #  | 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) |
|----|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 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.** | __x__ None                                                                                     |

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

2  | Grants or contracts from any entity (if not indicated in item #1 above). | GlaxoSmithKline and Australian Government Research Training Program Scholarship | PhD funded by an unrestricted training grant |

3  | Royalties or licenses | _x_ None                                                                                     |

**Time frame: past 36 months**
|   | Category                                                                 | Answer |
|---|--------------------------------------------------------------------------|--------|
| 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 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: 9/5/22
Your Name: Douglas Eduardo Valente Pires
Manuscript Title: Artificial Intelligence and Deep Learning for Rheumatologists
Manuscript number (if known): ar-22-0309

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.

The author’s relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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.

|   | 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) |
|---|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| **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. | _x_ None<br>Time frame: Since the initial planning of the work |
| **2** | Grants or contracts from any entity (if not indicated in item #1 above). | _x_ None<br>Time frame: past 36 months |
| **3** | Royalties or licenses | _x_ None |
| **4** | Consulting fees | _x_ None |
|   | Description                                                                 | 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 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: 9/5/22
Your Name: Wendy Chapman
Manuscript Title: Artificial Intelligence and Deep Learning for Rheumatologists
Manuscript number (if known): ar-22-0309

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.

The author’s relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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.

|   |   |   |
|---|---|---|
|   | 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. | _x_ None |
| 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 |
|   | Description                                                                 | Answer |
|---|------------------------------------------------------------------------------|--------|
| 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 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.