

ICMJE DISCLOSURE FORM

Date: 12 January 2023

Your Name: John Alexander Clark

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript number (if known): TP-23-525-CL

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. | Gates Cambridge Trust | Personal funding for PhD |
| | | Addenbrooke’s Charitable Trust, Cambridge University Hospitals | Funding for experiment consumables – to department |
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| Time frame: past 36 months | | | |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | <u> X </u> None | |
| 3 | Royalties or licenses | <u> X </u> None | |

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| 4 | Consulting fees | <input checked="" type="checkbox"/> None | |
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| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | <input checked="" type="checkbox"/> None | |
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| 6 | Payment for expert testimony | <input checked="" type="checkbox"/> None | |
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| 7 | Support for attending meetings and/or travel | <input checked="" type="checkbox"/> None | |
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| 8 | Patents planned, issued or pending | <input checked="" type="checkbox"/> None | |
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| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | <input checked="" type="checkbox"/> None | |
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| 10 | Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | <input checked="" type="checkbox"/> None | |
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| 11 | Stock or stock options | <input checked="" type="checkbox"/> None | |
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| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | <input checked="" type="checkbox"/> None | |
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| | | | |
| 13 | Other financial or non-financial interests | <input checked="" type="checkbox"/> None | |
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Please summarize the above conflict of interest in the following box:

The author received PhD personal funding through the Gates Cambridge Trust. Funding for the consumables for the research were provided by the Addenbrooke's Charitable Trust, Cambridge University Hospitals.

Please place an "X" next to the following statement to indicate your agreement:

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: Jan. 5th, 2024

Your Name: Theodore Gouliouris

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript number (if known): TP-23-525-CL

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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|---|--|--|---|
| 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. | NIHR Cambridge BRC | Salary funding |
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| Time frame: past 36 months | | | |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | <input checked="" type="checkbox"/> None | |
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| 4 | Consulting fees | <input checked="" type="checkbox"/> None | |

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

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

The author receives a salary from the NIHR Cambridge Biomedical Research Campus and participates in monitoring the PROMISE study.

Please place an "X" next to the following statement to indicate your agreement:

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: 1/2/2024

Your Name: Andrew Conway Morris

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript Number (if known): TP-23-525-CL

Your Affiliation: Division of Anaesthesia, Department of Medicine, University of Cambridge

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 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.

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| 4 | Consulting fees | <input checked="" type="checkbox"/> None <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%; height: 15px;"></td><td style="width: 50%;"></td></tr> <tr><td style="height: 15px;"></td><td></td></tr> <tr><td style="height: 15px;"></td><td></td></tr> <tr><td style="height: 15px;"></td><td></td></tr> </table> | | | | | | | | | |
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| Biomerieux | Speaking fee | | | | | | | | | | |
| Boston Scientific | Speaking fee | | | | | | | | | | |
| Fischer and Paykel | Speaking fee | | | | | | | | | | |
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| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | <input type="checkbox"/> None <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Cambridge Infection Diagnostics</td> <td style="width: 50%;">Scientific Advisory Board member</td> </tr> <tr><td style="height: 15px;"></td><td></td></tr> <tr><td style="height: 15px;"></td><td></td></tr> </table> | Cambridge Infection Diagnostics | Scientific Advisory Board member | | | | | | | |
| Cambridge Infection Diagnostics | Scientific Advisory Board member | | | | | | | | | | |
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| 10 | Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | <input checked="" type="checkbox"/> None <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%; height: 15px;"></td><td style="width: 50%;"></td></tr> <tr><td style="height: 15px;"></td><td></td></tr> <tr><td style="height: 15px;"></td><td></td></tr> </table> | | | | | | | | | |
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Please summarize the above conflict of interest in the following box:

The author receives support from the Medical Research Council Clinician Scientist Fellowship and Wellcome Trust Clinical Research Career Development Fellowship, and has received speaker fees from BioMérieux, Boston Scientific and Fisher and Paykel. The author is an advisory board member to Cambridge Infection Diagnostics.



Signature :

Please place an "X" next to the following statement to indicate your agreement:

I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJJE DISCLOSURE FORM

Date: 1/5/2024

Your Name: Martin D Curran

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript Number (if known): TP-23-525-CL

Your Affiliation: UKHSA, Clinical Microbiology and Public Health Laboratory, Addenbrooke’s Hospital, Cambridge

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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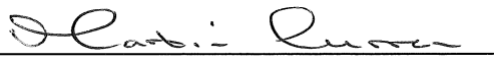
| | Name all entities with whom you have this relationship or indicate none (add rows as needed) | Specifications/Comments (e.g., if payments were made to you or to your institution) | | | | |
|--|--|--|--|--|--|--|
| Time frame: Since the initial planning of the work | | | | | | |
| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item. | <input checked="" type="checkbox"/> None <table border="1" style="width: 100%; height: 40px; margin-top: 5px;"> <tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr> <tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr> </table> | | | | |
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| 3 | Royalties or licenses | <input checked="" type="checkbox"/> None <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 20px;"></td><td style="width: 150px;"></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </table> | | | | | | | |
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Please summarize the above conflict of interest in the following box:

MDC is the inventor of a patent held by the Secretary of State for Health (UK government) EP2788503, which covers some of the genetic sequences used in this study.

Signature : 

Please place an "X" next to the following statement to indicate your agreement:

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: Jan 4th, 2024

Your Name: Deborah White

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript number (if known): TP-23-525-CL

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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| 11 | Stock or stock options | <input checked="" type="checkbox"/> None | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | <input checked="" type="checkbox"/> None | |
| 13 | Other financial or non-financial interests | <input checked="" type="checkbox"/> 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:

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: Jan. 4th, 2024

Your Name: Esther Daubney

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript number (if known): TP-23-525-CL

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. | <u> X </u> None | |
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| Time frame: past 36 months | | | |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | <u> X </u> None | |
| | | | |
| 3 | Royalties or licenses | <u> X </u> None | |
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| 4 | Consulting fees | <u> X </u> None | |
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| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | <input checked="" type="checkbox"/> None | |
| 6 | Payment for expert testimony | <input checked="" type="checkbox"/> None | |
| 7 | Support for attending meetings and/or travel | <input checked="" type="checkbox"/> None | |
| 8 | Patents planned, issued or pending | <input checked="" type="checkbox"/> None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | <input checked="" type="checkbox"/> None | |
| 10 | Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | <input checked="" type="checkbox"/> None | |
| 11 | Stock or stock options | <input checked="" type="checkbox"/> None | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | <input checked="" type="checkbox"/> None | |
| 13 | Other financial or non-financial interests | <input checked="" type="checkbox"/> 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:

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: 12th January 2024

Your Name: Vilas Navapurkar

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript number (if known): John Farman ICU, Cambridge University Hospitals

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. | ___ None | |
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| 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 | |
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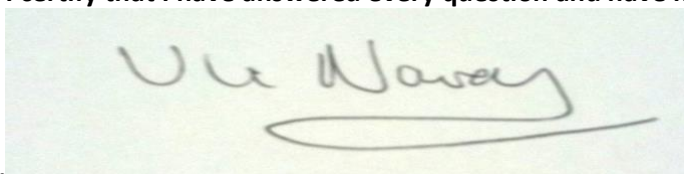
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| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | ___ None | |
| 6 | Payment for expert testimony | ___ None | |
| 7 | Support for attending meetings and/or travel | ___ None | |
| 8 | Patents planned, issued or pending | ___ None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | Cambridge Infection Diagnostics Ltd | A founder, director, and shareholder in Cambridge Infection Diagnostics (CID), which is a commercial company aimed at developing molecular diagnostics in infection and antimicrobial and AMR stewardship |
| 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:

VN is a founder, director, and shareholder in Cambridge Infection Diagnostics (CID), which is a commercial company aimed at developing molecular diagnostics in infection and antimicrobial and AMR stewardship.

Please place an "X" next to the following statement to indicate your agreement:

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: 10th January 2024 _____

Your Name: Stephen Baker _____

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array

Case report Manuscript number (if known): TP-23-525-CL

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. | Addenbrooke's Charitable Trust, Cambridge University Hospitals | Funding to institution |
| | | Wellcome Trust | Funding to institution |
| | | Action Medical Research | Funding to institution |
| | | | |
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| 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 | |

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| | | | |
| 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 | Cambridge Infection Diagnostics | Scientific advisory board member |
| 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:

The author is on the advisory board of Cambridge Infection Diagnostics Ltd and has received funding from Addenbrooke's Charitable Trust, Cambridge University Hospitals, Wellcome Trust and Action Medical Research.

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: Feb 25th, 2021

Your Name: Nazima Pathan

Manuscript Title: Enhanced diagnosis of severe bacterial and fungal respiratory infection in children using a rapid syndromic array – Case report

Manuscript number (if known): TP-23-525-CL

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. | Action Medical Research | Research funds to the institution |
| | | Addenbrookes Charitable trust, Cambridge University Hospitals | Research funds to the institution |
| | | Cambridge NIHR Biomedical Research Centre | Research infrastructure and support |
| | | | |
| Time frame: past 36 months | | | |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | <input type="checkbox"/> X <input type="checkbox"/> None | |
| 3 | Royalties or licenses | <input type="checkbox"/> X <input type="checkbox"/> None | |
| 4 | Consulting fees | <input checked="" type="checkbox"/> X <input type="checkbox"/> None | |

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

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

The author has received funding from Action Medical Research, the Addenbrooke's Charitable Trust, Cambridge University Hospitals and the Cambridge NIHR Biomedical Research Centre, and has received speaker fees from BioMérieux

Please place an "X" next to the following statement to indicate your agreement:

I certify that I have answered every question and have not altered the wording of any of the questions on this form.