

# ICMJE DISCLOSURE FORM

Date: 29.11.2025  
 Your Name: Altuna Akalin  
 Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis  
 Manuscript number (if known Red-2025-0260OC)

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

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	Owl Life Sciences	
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 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: 13.11.2025

Your Name: Peter Braubach

Manuscript Title: Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known): Red-2025-02600C

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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1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<input checked="" type="checkbox"/> None	
<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input checked="" type="checkbox"/> None	
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees	<input checked="" type="checkbox"/> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	Boeringer Ingelheim	Private (Panel discussion)
		Astra Zeneca	Private (Panel discussion)
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	

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☒ 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: NOV 20, 2025

Your Name: Scott Collum

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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<b>Time frame: past 36 months</b>			
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	
4	Consulting fees	<u>  X  </u> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
13	Other financial or non-financial interests	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> 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: 20.11.25

Your Name: Matija Đukić

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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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<b>Time frame: past 36 months</b>			
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	
4	Consulting fees	<u>  x  </u> None	

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	

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## ICMJE DISCLOSURE FORM

**Date:** 13.11.2025

**Your Name:** Sonia Giambelluca

**Manuscript Title:** Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

**Manuscript number (if known):** Red-2025-02600C

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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<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	Walter Benjamin fellowships - Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) - project ID: 462596862	
<b>Time frame: past 36 months</b>			
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	

**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:** 11/18/2025

**Your Name:** Howard J Huang

**Manuscript Title** Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

**Manuscript number (if known)** Red-2025-0260OC

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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<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input checked="" type="checkbox"/> None	
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees	<input checked="" type="checkbox"/> None	

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

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   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: 11/ 20 / 2025

Your Name: Rahat Hussain

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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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1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<u>  X  </u> None	
<b>Time frame: past 36 months</b>			
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	
4	Consulting fees	<u>  X  </u> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
13	Other financial or non-financial interests	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> 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: 13 NOV 2025

Your Name: Harry Karmouty-Quintana, PhD

Manuscript Title: Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-02600C

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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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.) <b>No time limit for this item.</b>	<u>None</u> NIH - NHLBI	1R01HL157100 and 1R01HL138510
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	
4	Consulting fees	<u>X</u> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
8	Patents planned, issued or pending	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
13	Other financial or non-financial interests	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> 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: Nov 19<sup>th</sup>, 2025

Your Name: Markus Landthaler

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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<b>Time frame: past 36 months</b>			
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	
4	Consulting fees	<u>  x  </u> None	

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	
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9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
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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	

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# ICMJE DISCLOSURE FORM

Date: 18/11/2025

Your Name: Wanchang Lin

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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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<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<u>None</u>	
3	Royalties or licenses	<u>None</u>	
4	Consulting fees	<u>None</u>	

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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  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: 13.11.2025

Your Name: Elena Lopez-Rodriguez

Manuscript Title: Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known): Red-2025-0260OC

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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	Else-Kröner-Fresenius Stiftung German Center for Lung Research (DZL)	project ID: 2020_EKEA.160 (to EL-R)
<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<u>None</u>	
3	Royalties or licenses	<u>None</u>	
4	Consulting fees	<u>None</u>	

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 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: 13.11.2025

Your Name: Artür Manukyan

Manuscript Title: Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known): Red-2025-02600C

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	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input checked="" type="checkbox"/> None	
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees	<input checked="" type="checkbox"/> None	

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 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: 13.11.2026  
 Your Name: Geraldine Nouailles  
 Manuscript Title: \_\_\_\_\_  
 Manuscript number (if known): Red-2025-0260OC

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.

		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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>		SFB 1449 DFG funding
<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).		Research grant from Biotest AG
			Research grant from Roland und Elfriede Schauer Stiftung
			Research grant from Sonnenfeld Stiftung
			Research grant from BAAINBw
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees	<input checked="" type="checkbox"/> None	

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 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: November 13, 2025

Your Name: Matthias Ochs

Manuscript Title: Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known): Red-2025-0260OC

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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	German Research Federation (DFG)	SFB1449, B01
<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).	Berlin University Alliance (BUA)	Alliance Center Electron Microscopy (ACEM)
3	Royalties or licenses	<u>  X  </u> None	

4	Consulting fees	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
11	Stock or stock options	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
13	Other financial or non-financial interests	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> 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: 11/ 20 / 2025

Your Name: Bela Patel MD

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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.

		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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<u>  X  </u> None	
<b>Time frame: past 36 months</b>			
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	
4	Consulting fees	<u>  X  </u> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
13	Other financial or non-financial interests	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> 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: 13.11.2025  
 Your Name: Peter Pennitz  
 Manuscript Title: Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis  
 Manuscript number (if known): Red-2025-0260OC

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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<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<input checked="" type="checkbox"/> None	
<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input type="checkbox"/> None Charité 3R (2022)	Funding of Xeno-free in-vitro science project
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees	<input checked="" type="checkbox"/> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<u>  X  </u> None	
6	Payment for expert testimony	<u>  X  </u> None	
7	Support for attending meetings and/or travel	<u>  X  </u> None	
8	Patents planned, issued or pending	<u>  X  </u> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<u>  X  </u> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<u>  X  </u> None	
11	Stock or stock options	<u>  X  </u> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<u>  X  </u> None	
13	Other financial or non-financial interests	<u>  X  </u> 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: November 20<sup>th</sup> 2025

Your Name: Dewei Ren

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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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<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<u>  X  </u> None	
<b>Time frame: past 36 months</b>			
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	
4	Consulting fees	<u>  X  </u> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
13	Other financial or non-financial interests	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> 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: Nov 13th 2025  
 Your Name: Jonas Schupp  
 Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis  
 Manuscript number (if known): Red-2025-0260OC

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

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

		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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<u>_x_ None</u>	
<b>Time frame: past 36 months</b>			
2	Grants or contracts from any entity (if not indicated in item #1 above).	GSK; Ann Theodore Foundation; German Research Foundation; Fritz-Thyssen-Foundation Else Kröner-Fresenius Foundation Ministry of Science and Culture of Lower Saxony	Research Grants

		German Center for Lung research	
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees	Boehringer, Merck/MSD, GSK, AOP Health, Vicore Pharma	Personal honoraria for Advisory activities
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	Boehringer, Kinevant, GSK	Personal honoraria for Lectures
		Ann Theodore Foundation, Else Kröner-Fresenius Foundation	Personal honoraria for Reviewer activities
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	Boehringer	Boehringer
8	Patents planned, issued or pending	EP-3964214-A1 / US12036218B2	Pending / Active
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 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: 11/ 20 / 2025

Your Name: E. Eddie Suarez

Manuscript Title Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known) Red-2025-0260OC

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.

		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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<u>  X  </u> None	
<b>Time frame: past 36 months</b>			
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	
4	Consulting fees	<u>  X  </u> None	

5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> <u>X</u> <input type="checkbox"/> None	
13	Other financial or non-financial interests	<input type="checkbox"/> <u>X</u> <input type="checkbox"/> 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: 15.11.2025  
 Your Name: Marisa Isler  
 Manuscript Title: Acute cellular immunometabolism activates the mTORC1 pathway in lung fibrosis  
 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.

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)
<b>Time frame: Since the initial planning of the work</b>		
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.	<div>None</div> <div>Working contract with Charité Universitätsmedizin Berlin</div> <div>To my institution via third party funding (Else-Kröner-Forsenius Stiftung)</div>
<b>Time frame: past 36 months</b>		
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input checked="" type="checkbox"/> None
3	Royalties or licenses	<input checked="" type="checkbox"/> None
4	Consulting fees	<input checked="" type="checkbox"/> None

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	

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# ICMJE DISCLOSURE FORM

Date: 13/11/2025

Your Name: Warwick B. Dunn

Manuscript Title: \_\_\_\_\_

Manuscript number (if known): \_\_Red-2025-02600C\_\_\_\_\_

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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.

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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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	____ None	
<b>Time frame: past 36 months</b>			
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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## ICMJE DISCLOSURE FORM

**Date:** 19-11-25

**Your Name:** Catherine L Winder

**Manuscript Title** Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

**Manuscript number (if known)** Red-2025-0260OC

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

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<b>Time frame: Since the initial planning of the work</b>			
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<b>Time frame: past 36 months</b>			
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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## ICMJE DISCLOSURE FORM

Date: 13.11.2025

Your Name: Malgotzata Wygrecka

Manuscript Title: Altered cholesterol immunometabolism activates the macrophage NLRP3-inflammasome in lung fibrosis

Manuscript number (if known): Red-2025-0260OC

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

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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)
<b>Time frame: Since the initial planning of the work</b>			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) <b>No time limit for this item.</b>	<input checked="" type="checkbox"/> None	
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