

ICMJE Form for Disclosure of Potential Conflicts of Interest

Instructions

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4. Intellectual Property.

This section asks about patents and copyrights, whether pending, issued, licensed and/or receiving royalties.

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Royalties: Funds are coming in to you or your institution due to your patent

ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

1. Given Name (First Name)

Taro

2. Surname (Last Name)

Sakamoto

3. Date

16-May-2020

4. Are you the corresponding author?

Yes

No

Corresponding Author's Name

Junya Fukuoka

5. Manuscript Title

A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer

6. Manuscript Identifying Number (if you know it)

TLCR-20-591

Section 2. The Work Under Consideration for Publication

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Are there any relevant conflicts of interest?

Yes

No

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Dr. Sakamoto has nothing to disclose.

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ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

| | | |
|---|---|--|
| 1. Given Name (First Name) Tomoi | 2. Surname (Last Name) Furukawa | 3. Date 13-May-2020 |
| 4. Are you the corresponding author? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corresponding Author's Name Junya Fukuoka |
| 5. Manuscript Title A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer | | |
| 6. Manuscript Identifying Number (if you know it) TLCR-20-591 | | |

Section 2. The Work Under Consideration for Publication

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Dr. Furukawa has nothing to disclose.

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Section 1. Identifying Information

1. Given Name (First Name)

Kris

2. Surname (Last Name)

Lami

3. Date

13-May-2020

4. Are you the corresponding author?

Yes

No

Corresponding Author's Name

Junya Fukuoka

5. Manuscript Title

A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer

6. Manuscript Identifying Number (if you know it)

TLCR-20-591

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Yes

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Dr. Lami has nothing to disclose.

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Hoa

2. Surname (Last Name)

Pham

3. Date

13-May-2020

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Yes

No

Corresponding Author's Name

Junya Fukuoka

5. Manuscript Title

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TLCR-20-591

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Wataru

2. Surname (Last Name)

Uegami

3. Date

13-May-2020

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Yes No

Corresponding Author's Name

Junya Fukuoka

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Royalties: Funds are coming in to you or your institution due to your patent

ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

1. Given Name (First Name)

Kishio

2. Surname (Last Name)

Kuroda

3. Date

13-May-2020

4. Are you the corresponding author?

Yes No

Corresponding Author's Name

Junya Fukuoka

5. Manuscript Title

A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer

6. Manuscript Identifying Number (if you know it)

TLCR-20-591

Section 2. The Work Under Consideration for Publication

Did you or your institution **at any time** receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?

Are there any relevant conflicts of interest? Yes No

Section 3. Relevant financial activities outside the submitted work.

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Are there any relevant conflicts of interest? Yes No

Section 4. Intellectual Property -- Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes No

ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 5. Relationships not covered above

Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?

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- No other relationships/conditions/circumstances that present a potential conflict of interest

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Section 6. Disclosure Statement

Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.

Dr. Kuroda has nothing to disclose.

Evaluation and Feedback

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ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

| | | |
|---|---|--|
| 1. Given Name (First Name) Masataka | 2. Surname (Last Name) Kawai | 3. Date 13-May-2020 |
| 4. Are you the corresponding author? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corresponding Author's Name Junya Fukuoka |
| 5. Manuscript Title A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer | | |
| 6. Manuscript Identifying Number (if you know it) TLCR-20-591 | | |

Section 2. The Work Under Consideration for Publication

Did you or your institution **at any time** receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?

Are there any relevant conflicts of interest? Yes No

Section 3. Relevant financial activities outside the submitted work.

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Are there any relevant conflicts of interest? Yes No

Section 4. Intellectual Property -- Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes No

ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 5. Relationships not covered above

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Section 6. Disclosure Statement

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Dr. Kawai has nothing to disclose.

Evaluation and Feedback

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4. Intellectual Property.

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Royalties: Funds are coming in to you or your institution due to your patent

ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

1. Given Name (First Name)

Hidenori

2. Surname (Last Name)

Sakanashi

3. Date

13-May-2020

4. Are you the corresponding author?

Yes No

Corresponding Author's Name

Junya Fukuoka

5. Manuscript Title

A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer

6. Manuscript Identifying Number (if you know it)

TLCR-20-591

Section 2. The Work Under Consideration for Publication

Did you or your institution **at any time** receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?

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Are there any relevant conflicts of interest? Yes No

Section 4. Intellectual Property -- Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes No

ICMJE Form for Disclosure of Potential Conflicts of Interest

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Section 6. Disclosure Statement

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Dr. Sakanashi has nothing to disclose.

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4. Intellectual Property.

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Licensed: The patent has been licensed to an entity, whether earning royalties or not

Royalties: Funds are coming in to you or your institution due to your patent

ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

| | | |
|---|---|--|
| 1. Given Name (First Name) Lee | 2. Surname (Last Name) Cooper | 3. Date 12-May-2020 |
| 4. Are you the corresponding author? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corresponding Author's Name Junya Fukuoka |
| 5. Manuscript Title A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer | | |
| 6. Manuscript Identifying Number (if you know it) TLCR-20-591 | | |

Section 2. The Work Under Consideration for Publication

Did you or your institution **at any time** receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?

Are there any relevant conflicts of interest? Yes No

If yes, please fill out the appropriate information below. If you have more than one entity press the "ADD" button to add a row. Excess rows can be removed by pressing the "X" button.

| Name of Institution/Company | Grant? | Personal Fees? | Non-Financial Support? | Other? | Comments |
|------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|----------|
| US National Cancer Institute | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Section 3. Relevant financial activities outside the submitted work.

Place a check in the appropriate boxes in the table to indicate whether you have financial relationships (regardless of amount of compensation) with entities as described in the instructions. Use one line for each entity; add as many lines as you need by clicking the "Add +" box. You should report relationships that were **present during the 36 months prior to publication**.

Are there any relevant conflicts of interest? Yes No

If yes, please fill out the appropriate information below.

| Name of Entity | Grant? | Personal Fees? | Non-Financial Support? | Other? | Comments |
|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|----------|
| Roche Tissue Diagnostics | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Konica Minolta | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 4. Intellectual Property -- Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes No

Section 5. Relationships not covered above

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Section 6. Disclosure Statement

Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.

Dr. Cooper reports grants from US National Cancer Institute, during the conduct of the study; grants from Roche Tissue Diagnostics, personal fees from Konica Minolta, outside the submitted work; .

Evaluation and Feedback

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ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

1. Given Name (First Name)

Andrey

2. Surname (Last Name)

Bychkov

3. Date

13-May-2020

4. Are you the corresponding author?

Yes No

Corresponding Author's Name

Junya Fukuoka

5. Manuscript Title

A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer

6. Manuscript Identifying Number (if you know it)

TLCR-20-591

Section 2. The Work Under Consideration for Publication

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Are there any relevant conflicts of interest? Yes No

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Dr. Bychkov has nothing to disclose.

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ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

1. Given Name (First Name) _____ Junya

2. Surname (Last Name) _____ Fukuoka

3. Date _____ 21-May-2020

4. Are you the corresponding author? Yes No

5. Manuscript Title
A narrative review of digital pathology and artificial intelligence: Focusing on lung cancer

6. Manuscript Identifying Number (if you know it)
TLCR-20-591

Section 2. The Work Under Consideration for Publication

Did you or your institution **at any time** receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?

Are there any relevant conflicts of interest? Yes No

If yes, please fill out the appropriate information below. If you have more than one entity press the "ADD" button to add a row. Excess rows can be removed by pressing the "X" button.

| Name of Institution/Company | Grant? | Personal Fees? | Non-Financial Support? | Other? | Comments |
|---|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------|
| NEDO(New Energy and Industrial Technology Development Organization) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| PathPresenter | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Hold Stock |
| ContextVision | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Advisory Board |
| Sony | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Research contract |
| Future Corp | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | joint R and D |

Section 3. Relevant financial activities outside the submitted work.

Place a check in the appropriate boxes in the table to indicate whether you have financial relationships (regardless of amount of compensation) with entities as described in the instructions. Use one line for each entity; add as many lines as you need by clicking the "Add +" box. You should report relationships that were **present during the 36 months prior to publication**.

Are there any relevant conflicts of interest? Yes No

If yes, please fill out the appropriate information below.

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| Name of Entity | Grant? | Personal Fees? | Non-Financial Support? | Other? | Comments |
|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|----------------|
| Pathology Institute Corp | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Hold stock |
| N Lab Corp | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Advisory board |

Section 4. Intellectual Property -- Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes No

If yes, please fill out the appropriate information below. If you have more than one entity press the "ADD" button to add a row. Excess rows can be removed by pressing the "X" button.

| Patent? | Pending? | Issued? | Licensed? | Royalties? | Licensee? | Comments |
|-------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|-----------|---------------------------------|
| PCT/JP2020/000424 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Method of obtaining grand truth |

Section 5. Relationships not covered above

Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?

- Yes, the following relationships/conditions/circumstances are present (explain below):
- No other relationships/conditions/circumstances that present a potential conflict of interest

At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements. On occasion, journals may ask authors to disclose further information about reported relationships.

Section 6. Disclosure Statement

Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.

Dr. Fukuoka reports grants from NEDO(New Energy and Industrial Technology Development Organization), other from PathPresenter, other from ContextVision, other from Sony, other from Future Corp, during the conduct of the study; other from Pathology Institute Corp, other from N Lab Corp, outside the submitted work; In addition, Dr. Fukuoka has a patent PCT/JP2020/000424 pending.

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