

ICMJE Form for Disclosure of Potential Conflicts of Interest

Instructions

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ICMJE Form for Disclosure of Potential Conflicts of Interest

Section 1. Identifying Information

1. Given Name (First Name)
Wee Siong

2. Surname (Last Name)
Chew

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
126925-INS-CMED-TR-2

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Dr. Chew has nothing to disclose.

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Section 1. Identifying Information

1. Given Name (First Name)
Federico

2. Surname (Last Name)
Torta

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
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Section 1. Identifying Information

1. Given Name (First Name)
Shanshan

2. Surname (Last Name)
Ji

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
126925-INS-CMED-TR-2

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Dr. Ji has nothing to disclose.

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1. Given Name (First Name)
Hyungwon

2. Surname (Last Name)
Choi

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
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Husna

2. Surname (Last Name)

Begum

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09-May-2019

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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)

Xueling

2. Surname (Last Name)

Sim

3. Date

09-May-2019

4. Are you the corresponding author?

☒ Yes ☐ No

5. Manuscript Title

Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)

126925-INS-CMED-TR-2

Section 2. The Work Under Consideration for Publication

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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

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Dr. Sim 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)
Chin Meng

2. Surname (Last Name)
Khoo

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
126925-INS-CMED-TR-2

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Dr. Khoo 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)
Eric Yin Hao

2. Surname (Last Name)
Khoo

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
126925-INS-CMED-TR-2

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Dr. Khoo 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)
Wei-Yi

2. Surname (Last Name)
Ong

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
126925-INS-CMED-TR-2

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. Ong 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)
Rob M.

2. Surname (Last Name)
Van Dam

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
126925-INS-CMED-TR-2

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Dr. Van Dam 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)
Markus R.

2. Surname (Last Name)
Wenk

3. Date
09-May-2019

4. Are you the corresponding author? ☒ Yes ☐ No

5. Manuscript Title
Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)
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Instructions

The purpose of this form is to provide readers of your manuscript with information about your other interests that could influence how they receive and understand your work. The form is designed to be completed electronically and stored electronically. It contains programming that allows appropriate data display. Each author should submit a separate form and is responsible for the accuracy and completeness of the submitted information. The form is in six parts.

1. Identifying information.

2. The work under consideration for publication.

This section asks for information about the work that you have submitted for publication. The time frame for this reporting is that of the work itself, from the initial conception and planning to the present. The requested information is about resources that you received, either directly or indirectly (via your institution), to enable you to complete the work. Checking "No" means that you did the work without receiving any financial support from any third party -- that is, the work was supported by funds from the same institution that pays your salary and that institution did not receive third-party funds with which to pay you. If you or your institution received funds from a third party to support the work, such as a government granting agency, charitable foundation or commercial sponsor, check "Yes".

3. Relevant financial activities outside the submitted work.

This section asks about your financial relationships with entities in the bio-medical arena that could be perceived to influence, or that give the appearance of potentially influencing, what you wrote in the submitted work. You should disclose interactions with ANY entity that could be considered broadly relevant to the work. For example, if your article is about testing an epidermal growth factor receptor (EGFR) antagonist in lung cancer, you should report all associations with entities pursuing diagnostic or therapeutic strategies in cancer in general, not just in the area of EGFR or lung cancer.

Report all sources of revenue paid (or promised to be paid) directly to you or your institution on your behalf over the 36 months prior to submission of the work. This should include all monies from sources with relevance to the submitted work, not just monies from the entity that sponsored the research. Please note that your interactions with the work's sponsor that are outside the submitted work should also be listed here. If there is any question, it is usually better to disclose a relationship than not to do so.

For grants you have received for work outside the submitted work, you should disclose support ONLY from entities that could be perceived to be affected financially by the published work, such as drug companies, or foundations supported by entities that could be perceived to have a financial stake in the outcome. Public funding sources, such as government agencies, charitable foundations or academic institutions, need not be disclosed. For example, if a government agency sponsored a study in which you have been involved and drugs were provided by a pharmaceutical company, you need only list the pharmaceutical company.

4. Intellectual Property.

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

5. Relationships not covered above.

Use this section to report 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.

Definitions.

Entity: government agency, foundation, commercial sponsor, academic institution, etc.

Grant: A grant from an entity, generally [but not always] paid to your organization

Personal Fees: Monies paid to you for services rendered, generally honoraria, royalties, or fees for consulting, lectures, speakers bureaus, expert testimony, employment, or other affiliations

Non-Financial Support: Examples include drugs/equipment supplied by the entity, travel paid by the entity, writing assistance, administrative support, etc.

Other: Anything not covered under the previous three boxes

Pending: The patent has been filed but not issued

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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)

E. Shyong

2. Surname (Last Name)

Tai

3. Date

09-May-2019

4. Are you the corresponding author?

☒ Yes ☐ No

5. Manuscript Title

Large-scale lipidomics identifies associations between plasma sphingolipids and T2DM incidence

6. Manuscript Identifying Number (if you know it)

126925-INS-CMED-TR-2

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.

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**.

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Section 4. Intellectual Property -- Patents & Copyrights

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

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- ☒ 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. Tai has nothing to disclose.

Evaluation and Feedback

Please visit <http://www.icmje.org/cgi-bin/feedback> to provide feedback on your experience with completing this form.

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Section 1. Identifying Information

1. Given Name (First Name)
Deron

2. Surname (Last Name)
Herr

3. Date
09-May-2019

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STROBE statement – checklist of items that should be reported in observational studies

	Item No.	STROBE items	Location in manuscript where items are reported
Title and abstract			
	1	(a) Indicate the study's design with a commonly used term in the title or the abstract (b) Provide in the abstract an informative and balanced summary of what was done and what was found	Abstract, paragraph 2
Introduction			
Background rationale	2	Explain the scientific background and rationale for the investigation being reported	Introduction, paragraphs 1, 2, and 3
Objectives	3	State specific objectives, including any prespecified hypotheses	Introduction, paragraph 3
Methods			
Study Design	4	Present key elements of study design early in the paper	Methods, paragraph 1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Methods, paragraphs 1 and 2
Participants	6	<p>(a) <i>Cohort study</i> - Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up</p> <p><i>Case-control study</i> - Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls</p> <p><i>Cross-sectional study</i> - Give the eligibility criteria, and the sources and methods of selection of participants</p> <p>(b) <i>Cohort study</i> - For matched studies, give matching criteria and number of exposed and unexposed</p> <p><i>Case-control study</i> - For matched studies, give matching criteria and the number of controls per case</p>	Methods, paragraphs 1 and 2
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable.	Methods, paragraphs 1 and 2

Data sources/ measurement	8	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	Methods, paragraphs 2 and 3
Bias	9	Describe any efforts to address potential sources of bias	Methods, paragraph 3

Study size	10	Explain how the study size was arrived at	Methods, paragraph 1
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen, and why	Methods, paragraphs 2 and 3
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding (b) Describe any methods used to examine subgroups and interactions (c) Explain how missing data were addressed (d) <i>Cohort study</i> - If applicable, explain how loss to follow-up was addressed <i>Case-control study</i> - If applicable, explain how matching of cases and controls was addressed <i>Cross-sectional study</i> - If applicable, describe analytical methods taking account of sampling strategy (e) Describe any sensitivity analyses	Methods, paragraph 4

Results			
Participants	13	(a) Report the numbers of individuals at each stage of the study (<i>e.g.</i> , numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing followup, and analysed) (b) Give reasons for non-participation at each stage. (c) Consider use of a flow diagram	Methods, paragraph 1 Results, paragraphs 1 and 2
Descriptive data	14	(a) Give characteristics of study participants (<i>e.g.</i> , demographic, clinical, social) and information on exposures and potential confounders (b) Indicate the number of participants with missing data for each variable of interest (c) <i>Cohort study</i> - summarise follow-up time (<i>e.g.</i> , average and total amount)	Methods, paragraph 1 Figure 1 Table 1 Results, paragraphs 1 and 2

Outcome data	15	<i>Cohort study</i> - Report numbers of outcome events or summary measures over time <i>Case-control study</i> - Report numbers in each exposure category, or summary measures of exposure <i>Cross-sectional study</i> - Report numbers of outcome events or summary measures	Tables 1 and 2 Results, paragraphs 1 and 2 Figure 1
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (e.g., 95% confidence	Table 2 Figure 4
		interval). Make clear which confounders were adjusted for and why they were included (b) Report category boundaries when continuous variables were categorized (c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Results, paragraphs 7 and 8
Other analyses	17	Report other analyses done—e.g., analyses of subgroups and interactions, and sensitivity analyses	Figs 2 – 5 Results, paragraphs 3 – 6
Discussion			
Key results	18	Summarise key results with reference to study objectives	Fig 2&7 Discussion, paragraphs 2, 3, 4, 6, 7, and 9
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	Discussion, paragraphs 10 and 11
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Discussion, paragraphs 8 and 9
Generalisability	21	Discuss the generalisability (external validity) of the study results	Discussion, paragraphs 8 and 9
Other Information			

Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	Funding information as stated below was entered in the financial disclosure section of the manuscript: This work was supported by the National University Health System (NUHSRO/2014/085/AF-Partner/01, DRH) and the NRF Investigatorship grant (NRFNRFI2015-05, FT). The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript
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