

ICMJE DISCLOSURE FORM

Date: Aug. 17th, 2021

Your Name: Yan Sun

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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

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

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

		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
Time frame: Since the initial planning of the work			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	National Natural Science Foundation of China	This project is a non-profit research project by government, and had no role in the study design, data collection and analysis, decision to publish, or preparation of the manuscript.
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 type="checkbox"/> <u>X</u> None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input type="checkbox"/> <u>X</u> None	
6	Payment for expert testimony	<input type="checkbox"/> <u>X</u> None	
7	Support for attending meetings and/or travel	<input type="checkbox"/> <u>X</u> None	
8	Patents planned, issued or pending	<input type="checkbox"/> <u>X</u> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input type="checkbox"/> <u>X</u> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input type="checkbox"/> <u>X</u> None	
11	Stock or stock options	<input type="checkbox"/> <u>X</u> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input type="checkbox"/> <u>X</u> None	
13	Other financial or non-financial interests	BGI-shenzhen	

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

Yan Sun reports that this work was supported by the National Natural Science Foundation of China (81502593 to Yan Sun). Yan Sun also reports he is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Xiaoyu Kong

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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Time frame: past 36 months			
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3	Royalties or licenses	<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	

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

None.

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

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

ICMJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Jing Yu

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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Time frame: Since the initial planning of the work			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	Shenzhen Engineering Laboratory for Innovative Molecular Diagnostics (DRC-SZ[2016]884).	This project is a non-profit research project by government, and had no role in the study design, data collection and analysis, decision to publish, or preparation of the manuscript.
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input checked="" type="checkbox"/> None	
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11	Stock or stock options	<input type="checkbox"/> <u>X</u> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input type="checkbox"/> <u>X</u> None	
13	Other financial or non-financial interests	BGI-shenzhen	

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

Jing Yu reports that this work was in part supported by Shenzhen Engineering Laboratory for Innovative Molecular Diagnostics (DRC-SZ[2016]884). Jing Yu also reports she is from BGI-shenzhen.

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ICMJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Xiaolin Zheng

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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

None.

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

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

ICMJJE DISCLOSURE FORM

Date: Aug. 17th, 2021

Your Name: Mufei Lin

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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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	BGI-shenzhen	

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

Mufei Lin reports she is from BGI-shenzhen.

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: Aug. 17th, 2021

Your Name: Zhengyu Cheng

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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13	Other financial or non-financial interests	<input checked="" type="checkbox"/> None	

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

Zhengyu Cheng reports he is from BGI-shenzhen.

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

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ICMJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Hui Wang

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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ICMJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Na An

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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13	Other financial or non-financial interests	BGI-shenzhen	

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ICMJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Ying Xie

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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13	Other financial or non-financial interests	BGI-shenzhen	

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

Ying Xie reports he is from BGI-shenzhen.

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ICMJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Shuang Zeng

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

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ICMJE DISCLOSURE FORM

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Your Name: Siming Xue

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

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

		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
Time frame: Since the initial planning of the work			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	<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	BGI-shenzhen	

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

Siming Xue reports he is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Min Xia

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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13	Other financial or non-financial interests	BGI-shenzhen	

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

Min Xia reports she is from BGI-shenzhen.

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

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

ICMJJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Xia Wei

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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13	Other financial or non-financial interests	BGI-shenzhen	

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

Xia Wei reports she is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Lijie Song

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	BGI-shenzhen	

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

Lijie Song reports she is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Fengxia Liu

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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13	Other financial or non-financial interests	BGI-shenzhen	

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

Fengxia Liu reports she is from BGI-shenzhen.

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

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

ICMJJE DISCLOSURE FORM

Date: Aug. 16th, 2021

Your Name: Chunna Fan

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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

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Chunna Fan reports she is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Zhonghai Fang

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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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	BGI-shenzhen	

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

Zhonghai Fang reports he is from BGI-shenzhen.

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: Aug. 18th, 2021

Your Name: Liangjun Gao

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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

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12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	BGI-shenzhen	

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

Liangjun Gao reports she is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Yun Yang

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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13	Other financial or non-financial interests	BGI-shenzhen	

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

Yun Yang reports she is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Shida Zhu

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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13	Other financial or non-financial interests	BGI-shenzhen	

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

Shida Zhu reports he is from BGI-shenzhen.

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: Aug. 16th, 2021

Your Name: Taiping Shi

Manuscript Title: Characterization of genomic clones by targeted deep sequencing of ctDNA to monitor liver cancer

Manuscript number (if known): TCR-21-1005-CL

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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	BGI-shenzhen	

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

Taiping Shi reports he is from BGI-shenzhen.

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.