

ICMJE DISCLOSURE FORM

Date: 27/4/2022

Your Name: Wenshuang Xu

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

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

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

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Qingyou Chen

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Xiaofeng Zhang

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Yue Zhao

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Shuang Wu

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Chao Yang

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Yubao Liu

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Lijie Liang

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Di Jia

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Chaojun Li

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Li Fan

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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: 27/4/2022

Your Name: Yan Shi

Manuscript Title: Genipin protects against mitochondrial damage of the retinal pigment epithelium under hyperglycemia through the AKT pathway mediated by the miR-4429/JAK2 signaling axis

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)
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.	Science and Technology Joint Guidance Program of Qiqihar, China	
		Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	___ None	
3	Royalties or licenses	___ None	

4	Consulting fees	_____None	
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 summarize the above conflict of interest in the following box:

This study was funded by Science and Technology Joint Guidance Program of Qiqihar, China (No. LHYD-202012) and Basic Scientific Research Business Expenses, Research Project of Heilongjiang Provincial Undergraduate College (No. 2019-KYYWF-1253).

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.