Date:	9/9/2024
Your Name:	Ke-Yu Deng
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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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	manuscript (e.g., funding, provision of study materials, medical writing,	Nanchang University		These supports including funding, provision of study materials, medical writing, article processing charges.
	article processing			Click the tab key to add additional rows.
	charges, etc.) No time limit for this item.			
		Time frame:	past 36 months	5
2	Grants or contracts from	□ None		
	any entity (if not indicated in item	Nanchang University		National Key Research and Development Program of China (No. 2022YFA1104304)
	#1 above).			National Nature Science Foundation of China (No. 81970256)

		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)
3	Royalties or licenses	None None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

			e all entities with whom you have this ionship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
	society, committee or advocacy group,			
	paid or unpaid			
11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing, gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Please place an "X" next to the following statement to indicate your agreement:				
\boxtimes	I certify that I have	answe	ered every question and have not altered the wo	ording of any of the questions on this form.

Date:	9/9/2024
Your Name:	Zhong-Xin Duan
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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	manuscript (e.g., funding, provision of study materials, medical writing,	Nanchang University	These supports including funding, provision of study materials, medical writing, article processing charges.
	article processing charges, etc.) No time limit for this item.		Click the tab key to add additional rows.
		Time frame: past 36 mo	ths
2	Grants or contracts from any entity (if not indicated in item #1 above).	□ None Nanchang University	

		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)
3	Royalties or licenses	None None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

			e all entities with whom you have this ionship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
	society, committee or			
	advocacy group, paid or unpaid			
11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing, gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Plea	Please place an "X" next to the following statement to indicate your agreement:			
\square	I certify that I have	answ	ered every question and have not altered the wo	ording of any of the questions on this form

Date:	9/9/2024
Your Name:	Shao-Yong Fan
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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		Time frame: Since the init	ial planning of the work
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	manuscript (e.g., funding, provision of study materials, medical writing,	Nanchang University	These supports including funding, provision of study materials, medical writing, article processing charges.
	article processing charges, etc.) No time limit for		Click the tab key to add additional rows.
	this item.		
		Time frame: pa	ist 36 months
2	Grants or contracts from	□ None	
	any entity (if not indicated in item #1 above).	Nanchang University	The Key Research Project of department of science and technology, Jiangxi Province (No. 20202BBG73028)

		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)
3	Royalties or licenses	None None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

		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)
	society, committee or advocacy group, paid or unpaid		
11	Stock or stock options	None None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	None	
13	Other financial or non-financial interests	None	
	Please place an "X" next to the following statement to indicate your agreement:		
\boxtimes	I certify that I have answered every question and have not altered the wording of any of the questions on this form.		

3 8/26/2021 ICMJE Disclosure Form

Date:	9/9/2024
Your Name:	Ying-Lin Long
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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		Time frame: Since the initial planning o	of the work
1	All support for the present	□ None	
	manuscript (e.g., funding, provision of study materials,	Nanchang University	These supports including funding, provision of study materials, medical writing, article processing charges.
	medical writing, article processing charges, etc.)		Click the tab key to add additional rows.
	No time limit for this item.		
		Time frame: past 36 months	3
2	Grants or contracts from any entity (if not	□ None Nanchang University	
	indicated in item #1 above).	,	

		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)
3	Royalties or licenses	None None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

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	society, committee or			
	advocacy group, paid or unpaid			
11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing,			
	gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Plea	Please place an "X" next to the following statement to indicate your agreement:			
\square	I certify that I have answered every question and have not altered the wording of any of the questions on this form			

Date:	9/9/2024
Your Name:	Qi-Ming Huang
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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	relationship or indicate none (add re	me all entities with whom you have this stionship or indicate none (add rows as needed) Specifications/Comments (e.g., if payments we made to you or to your institution)		re
	Time frame: Since the	initial planning of the work	ame: Since the initial planning	
All support for the present	□ None			
of study materials,	Nanchang University	These supports including funding, provision of study materials, medical writing, article processing charges.		
article processing charges, etc.) No time limit for		Click the tab key to add additional rows.		
	Time frame	e: past 36 months	Time frame: past 36 month	
Grants or contracts from	□ None			
any entity (if not indicated in item #1 above).	Nanchang University	The Key Research Project (No. 20192BBH80015) and the Project for Leading Talent of department of science and technology, Jiangxi Province (No. 20204BCJ22035)		
	manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item. Grants or contracts from any entity (if not indicated in item	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. Time frame Grants or contracts from any entity (if not indicated in item None Nanchang University Nanchang University	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. Grants or contracts from any entity (if not indicated in item Nanchang University Nanchang University	present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item. Time frame: past 36 months Grants or contracts from any entity (if not indicated in item #1 above). Nanchang University These supports including funding, provision of study materials, medical writing, article processing charges. Click the tab key to add additional rows. Time frame: past 36 months The Key Research Project (No. 20192BBH80015) and the Project for Leading Talent of department of science and technology, Jiangxi Province (No.

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3	Royalties or licenses	None None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
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	society, committee or advocacy group,			
	paid or unpaid			
11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing, gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Plea	Please place an "X" next to the following statement to indicate your agreement:			
\boxtimes	I certify that I have answered every question and have not altered the wording of any of the questions on this form.			

Date:	9/9/2024	
Your Name:	Jia-Nan Wang	
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats	
Manuscript Number (if known):	BJR-2024-0136.R2	

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	manuscript (e.g., funding, provision of study materials, medical writing,	Nan	chang University	These supports including funding, provision of study materials, medical writing, article processing charges.
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			Time frame: past 36 month	s
2	Grants or contracts from any entity (if not indicated in item #1 above).	Nan	None chang University	

		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)
3	Royalties or licenses	None None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

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	society, committee or			
	advocacy group, paid or unpaid			
11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing,			
	gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Plea	Please place an "X" next to the following statement to indicate your agreement:			
\square	I certify that I have answered every question and have not altered the wording of any of the questions on this form			

Date:	9/9/2024
Your Name:	Hong-Bo Xin
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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	any entity (if not indicated in item	Nanchang University	National Key Research and Development Program of China (No. 2022YFA1104304)
	#1 above).		National Nature Science Foundation of China (No. 82270302, 82260173)
			Project for Leading Talent of department of science and technology, Jiangxi Province (No. 20212BDH81020)

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3	Royalties or licenses	None None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

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	society, committee or			
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12	Receipt of equipment,		None	
	materials, drugs, medical writing, gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Plea	Please place an "X" next to the following statement to indicate your agreement:			
\boxtimes	I certify that I have answered every question and have not altered the wording of any of the questions on this form.			

Date:	9/9/2024
Your Name:	Yong-Ming Huang
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

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11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing,			
	gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Plea	Please place an "X" next to the following statement to indicate your agreement:			
\square	I certify that I have answered every question and have not altered the wording of any of the questions on this form			

Date:	9/9/2024
Your Name:	Zhou-Hang Zhang
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats
Manuscript Number (if known):	BJR-2024-0136.R2

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	manuscript (e.g., funding, provision of study materials, medical writing,	Nanchang University	These supports including funding, provision of study materials, medical writing, article processing charges.
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4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None Non	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

			e all entities with whom you have this ionship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
	society, committee or			
	advocacy group, paid or unpaid			
11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing,			
	gifts or other			
	services			
13	Other financial or non-financial		None	
	interests			
Plea	Please place an "X" next to the following statement to indicate your agreement:			
\square	I certify that I have answered every question and have not altered the wording of any of the questions on this form			

Date:	9/9/2024	
Your Name:	You-Qiong Zhuo	
Manuscript Title:	Human umbilical cords mesenchymal stem cells cultured with long-term hypoxic atmosphere maintains their stemness and enhances their immunoregulatory functions, and reveals the excellent therapeutic application in osteoarthritis rats	
Manuscript Number (if known):	BJR-2024-0136.R2	

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

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		Name all entities with whom you have this relationship or indicate none (add rows as needed	Specifications/Comments (e.g., if payments were made to you or to your institution)			
		Time frame: Since the initial planning of the work				
1	All support for the present	□ None				
	manuscript (e.g., funding, provision of study materials, medical writing,	Nanchang University	These supports including funding, provision of study materials, medical writing, article processing charges.			
	article processing charges, etc.) No time limit for this item.		Click the tab key to add additional rows.			
		Time frame: past 36 months				
2	Grants or contracts from any entity (if not indicated in item #1 above).	□ None Nanchang University				

		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)
3	Royalties or licenses	None	
4	Consulting fees	None None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	None None	
6	Payment for expert testimony	None ■	
7	Support for attending meetings and/or travel	None None	
8	Patents planned, issued or pending	None Non	
9	Participation on a Data Safety Monitoring Board or Advisory Board	None None	
10	Leadership or fiduciary role in other board,	None ■	

			e all entities with whom you have this ionship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
	society, committee or advocacy group, paid or unpaid			
11	Stock or stock options		None	
12	Receipt of equipment,		None	
	materials, drugs, medical writing, gifts or other services			
13	Other financial or non-financial		None	
	interests			
Please place an "X" next to the following statement to indicate your agreement:				
\square	I certify that I have answered every question and have not altered the wording of any of the questions on this form			