Date:	4/30/2025
Your Name:	Michael Poeschla
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.

Name all entities with whom you have this relationship or indicate none (add rows as needed) Specifications/Comments (e.g., if particular part		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.	None Click the tab key to add additional rows.		
			Time frame: past 36 month	ns
2	Grants or contracts from any entity (if not indicated in item #1 above).		None	
3	Royalties or licenses		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)
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	

		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)
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	
Plea	Please place an "X" next to the following statement to indicate your agreement: Certify that I have answered every question and have not altered the wording of any of the questions on this form.		

Date:	5/1/2025
Your Name:	Uma Arora
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.	None	Click the tab key to add additional rows.
		Time frame: past 36 month	ns
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	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)
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	

		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)
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	
Plea	Please place an "X" next to the following statement to indicate your agreement: Certify that I have answered every question and have not altered the wording of any of the questions on this form.		

Date:	5/1/2025
Your Name:	Amanda Walne
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.	None Click the tab key to add additional rows.	
		Time frame: past 36 month	ns .
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	None 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)
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	

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

Date:	4/30/2025
Your Name:	Lisa J. McReynolds
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.

		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.		Dr. McReynolds is an employee of the US government and all work was completed as part of job duties. Click the tab key to add additional rows.
		Time frame: past 36 month	s
2	Grants or contracts from any entity (if not indicated in item #1 above).	[⊠] None	
3	Royalties or licenses	None 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)
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 Korean Society of Blood and Marrow Transplantation Fanconi Cancer Foundation	Travel support to attend and speak at the International Congress of BMT, September 2024 Registration support to attend annual meeting, September 2024
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	Shwachman Diamond Syndrome Alliance Childhood, Adolescent and Young Adult Cancer Predisposition, ClinGen: Gene Curation Expert Panel	Medical advisory board member, unpaid Expert

		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)
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	
Plea	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.		

Date:	5/2/2025
Your Name:	Marena Niewisch
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.	[⊠] None	Click the tab key to add additional rows.
		Time frame: past 36 month	ns
2	Grants or contracts from any entity (if not indicated in item #1 above).	[⊠] None	
3	Royalties or licenses	None 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)
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	

		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)
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	
Plea	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.		

Date:	5/1/2025
Your Name:	Neelam Giri
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.

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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.	None	Click the tab key to add additional rows.
		 Time frame: past 36 month	ns .
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	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)
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	

		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)
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	
Plea	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.		

Date:	5/1/2025
Your Name:	Logan Zeigler
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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		Time frame: past 36 month	s
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	None	

		Name all entities with whom you have this relationship or indicate none (add rows as needed) Specifications/Comments (e.g., if present the present th	
4	Consulting fees	None 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 None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	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)
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	
Plea 🖂	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.		

Date:	5/1/2025
Your Name:	Alexander Gusev
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.	None	Click the tab key to add additional rows.
		Time frame: past 36 month	ns
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	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)
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	

		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)
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	
Plea	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.		

Date:	5/1/2025	
Your Name:	Mitchell Machiela	
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders	
Manuscript Number (if known):	191107-JCI-CRPH-RV-2	
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 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.	None Funding from the Intramural Research Program of the National Institutes of Health	Click the tab key to add additional rows.
		Time frame: past 36 months	s
2	Grants or contracts from any entity (if not indicated in item #1 above).	[⊠] None	
3	Royalties or licenses	None 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)
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	

		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)
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	
Plea	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.		

Date:	4/30/2024
Your Name:	Hemanth Tummala
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH-RV-2

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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.	None	Click the tab key to add additional rows.
		Time frame: past 36 month	ns
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	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)
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	

		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)
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	
Plea	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.		

Date	e:		4/30/2025		
Your Name:			Sharon A. Savage		
Manuscript Title:			Polygenic modifiers impact penetrance a	nd expressivity in telomere biology disorders	
Mar	nuscript Number (if l	known):	191107-JCI-CRPH-RV-2		
In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to t content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests ma 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 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 that medication is not mentioned in the manuscript.			ot-for-profit third parties whose interests may be not to transparency and does not necessarily /interest, it is preferable that you do so.		
fran	ne for disclosure is th	ne past 36	months.		
			Il entities with whom you have this ship 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.	[Intramic	ural research program of the Division of Epidemiology and Genetics, National Institute, National Institutes of Health	Click the tab key to add additional rows.	
			Time frame: past 36 month	ns .	
2	Grants or contracts from any entity (if not indicated in item #1 above).	[⊠] N	one		
3	Royalties or licenses	⊠ N	one		

		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)
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	

		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)
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	
Plea	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.		

Date:	5/2/2025
Your Name:	Vijay G. Sankaran
Manuscript Title:	Polygenic modifiers impact penetrance and expressivity in telomere biology disorders
Manuscript Number (if known):	191107-JCI-CRPH- RV-2

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