

Instructions

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Royalties: Funds are coming in to you or your institution due to your patent

Balicer 1



Section 1. Identifying Inform	ation	
1. Given Name (First Name) Ran	2. Surname (Last Name) Balicer	3. Date 12-May-2021
4. Are you the corresponding author?	Yes ✓ No	Corresponding Author's Name Philip R. Krause
5. Manuscript Title SARS-CoV-2 Variants and Vaccines: Wha	t Needs To be Done?	
6. Manuscript Identifying Number (if you known 21-05280	ow it)	_
Section 2. The Work Under Co		
The Work Under Co	nsideration for Public	cation
	but not limited to grants, da	a a third party (government, commercial, private foundation, etc.) for ata monitoring board, study design, manuscript preparation,
Section 3. Relevant financial a	activities outside the s	submitted work.
of compensation) with entities as describ	oed in the instructions. Use ort relationships that we st? Yes No rmation below.	nether you have financial relationships (regardless of amount se one line for each entity; add as many lines as you need by re present during the 36 months prior to publication .
Name of Entity	Grant? Personal Fees? S	n-Financial Other? Comments
Pfizer		Institutional grants to Clalit Research Institute from Pfizer outside the submitted work and unrelated to COVID-19, with no direct or indirect personal benefits.
Section 4. Intellectual Proper	ty Patents & Copyri	ghts
Do you have any patents, whether plann	ned, pending or issued, br	roadly relevant to the work? Yes V No

Balicer 2



Section 5. Relationships not covered above
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Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?
Yes, the following relationships/conditions/circumstances are present (explain below):
✓ No other relationships/conditions/circumstances that present a potential conflict of interest
At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements. On occasion, journals may ask authors to disclose further information about reported relationships.
Section 6. Disalogues Statement
Disclosure Statement
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.
Dr. Balicer reports grants from Pfizer, outside the submitted work;.

Evaluation and Feedback

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Balicer 3



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Beral 1



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Section 6.	Disclosure Statement
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Dr. Beral has not	thing to disclose.

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Briand 1



Section 1.	Identifying Inform	nation	
1. Given Name (Fi Sylvie	rst Name)	2. Surname (Last Name) Briand	3. Date 26-April-2021
4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Philip R. Krause
5. Manuscript Title SARS-COV-2 Var	e iants and Vaccines: Wh	at Needs To Be Done?	
6. Manuscript Ide	ntifying Number (if you kr	now it)	
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Do you have any	patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No

Briand 2



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Cramer 1



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4. Are you the cor	responding author?	Yes 🗸 No	Corresponding Author's Name Philip R. Krause
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Cramer 2



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Fleming 1



Section 1.	Identifying Inform	nation	
1. Given Name (Fir Thomas	st Name)	2. Surname (Last Name) Fleming	3. Date 21-April-2001
4. Are you the corr	esponding author?	Yes ✓ No	Corresponding Author's Name Philip R. Krause
5. Manuscript Title SARS-CoV-2 Vacc	: ines and Variants: Wha	nt Needs To Be Done?	
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Gaspar 1



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4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Philip R. Krause
5. Manuscript Title SARS-COV-2 Vari	e ants and Vaccines : Wh	at needs to be done?	
6. Manuscript Ider 21-05280	ntifying Number (if you kr	now it)	
Section 2.	The Work Under Co	onsideration for Publi	cation
any aspect of the s statistical analysis,	ubmitted work (including	but not limited to grants, da	a third party (government, commercial, private foundation, etc.) for ata monitoring board, study design, manuscript preparation,
Section 3.	Relevant financial	activities outside the	submitted work.
of compensation clicking the "Add) with entities as descri	bed in the instructions. Use port relationships that we	ether you have financial relationships (regardless of amount se one line for each entity; add as many lines as you need by re present during the 36 months prior to publication .
Section 4.	Intellectual Proper	ty Patents & Copyri	ghts
Do you have any	patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No

Gaspar 2



Section 5.	
Re	elationships not covered above
	onships or activities that readers could perceive to have influenced, or that give the appearance of ng, what you wrote in the submitted work?
Yes, the following	relationships/conditions/circumstances are present (explain below):
✓ No other relation	ships/conditions/circumstances that present a potential conflict of interest
	cript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements s may ask authors to disclose further information about reported relationships.
Section 6. Dis	sclosure Statement
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Dr. Gaspar has nothi	ng to disclose.

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Gaspar 3



Instructions

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Royalties: Funds are coming in to you or your institution due to your patent

Gruber 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fi Marion	rst Name)	2. Surname (Last Name) Gruber	3. Date 12-May-2021	
4. Are you the corresponding author?		Yes 🗸 No	Corresponding Author's Name Philip R. Krause	
5. Manuscript Title SARS-CoV-2 Vari	e ants and Vaccines: Wha	at Needs To Be Done?		
6. Manuscript Ide	ntifying Number (if you kr	now it)		
			_	
Section 2.	The Work Under C	onsideration for Public	cation	
Did you or your institution at any time receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)? Are there any relevant conflicts of interest? Yes No				
Section 3.	Relevant financial	activities outside the s	submitted work.	
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Section 4.	Intellectual Proper	rty Patents & Copyri	ghts	
Do you have any	patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No	

Gruber 2



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Dr. Gruber has nothing to disclose.

Evaluation and Feedback

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Gruber 3



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patent

Henao Restrepo 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fi Ana Maria	rst Name)	2. Surname (Last Name) Henao Restrepo	3. Date 13-May-2021	
4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Philip R. Krause	
5. Manuscript Title COVID Variants a	e and Vaccines: What Nee	eds To Be Done?		
6. Manuscript Ide	ntifying Number (if you kr	now it)		
			_	
Section 2.	The Work Under C	onsideration for Public	cation	
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Section 3.	Relevant financial	activities outside the s	submitted work.	
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Section 4.	Intellectual Proper	rty Patents & Copyric	ghts	
Do you have any	patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No	

Henao Restrepo 2



Section 5. Relationships not severed above
Relationships not covered above
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Dr. Henao Restrepo has nothing to disclose.

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Henao Restrepo 3



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Royalties: Funds are coming in to you or your institution due to your

patent

Heymann 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fi David	rst Name)	2. Surname (Last Name) Heymann	3. Date 05-October-2021	
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Philip R. Krause	
5. Manuscript Title COVID Variants a	e and Vaccines: What Nee	eds To Be Done?		
6. Manuscript Ide 21 -05280	ntifying Number (if you kr	now it)		
Section 2.	The Work Under Co	onsideration for Public	cation	
Did you or your institution at any time receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)? Are there any relevant conflicts of interest? Yes No				
Section 3.	Relevant financial	activities outside the s	submitted work.	
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Section 4.	Intellectual Prope	rty Patents & Copyric	ghts	
Do you have any	patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No	

Heymann 2



Section 5. Relationships not covered above
Relationships not covered above
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Heymann 3



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Krause 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fi	rst Name)	2. Surname (Last Name) Krause		3. Date 21-April-2001
4. Are you the cor	responding author?	✓ Yes No		
5. Manuscript Title SARS-CoV-2 Vacc	e cines and Variants: Wha	at Needs To Be Done		
6. Manuscript Ider 21-05280	ntifying Number (if you kr	now it)	_	
	ı			
Section 2.	The Work Under Co	onsideration for Public	cation	
any aspect of the s statistical analysis,	ubmitted work (including	but not limited to grants, da	a third party (government, co ta monitoring board, study de	mmercial, private foundation, etc.) for esign, manuscript preparation,
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Do you have any	patents, whether plan	ned, pending or issued, br	oadly relevant to the work?	Yes 🗸 No

Krause 2



Section 5.	Dalating him and account dalary		
	Relationships not covered above		
	lationships or activities that readers could perceive to have influenced, or that give the appearance of icing, what you wrote in the submitted work?		
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Dr. Krause has not	thing to disclose.		

Evaluation and Feedback

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Longini 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fii Ira	rst Name)	2. Surname (Last Name) Longini	3. Date 22-April-2021	
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Philip R. Krause	
5. Manuscript Title SARS-CoV-2 Varia	e ants and Vaccines: Wha	at Needs To Be Done?		
6. Manuscript Ider 21-05280	ntifying Number (if you kr	now it)		
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Longini 2



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Longini 3



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Royalties: Funds are coming in to you or your institution due to your patent

Muñoz-Fontela 1



Section 1. Identifying Inform	aation			
Given Name (First Name) César	Surname (Last Name) Muñoz-Fontela	3. Date 23-April-2021		
4. Are you the corresponding author?	Yes ✓ No	Corresponding Author's Name Philip R. Krause		
5. Manuscript Title SARS-CoV-2 Variants and Vaccines: Wha	nt Needs To Be Done?			
6. Manuscript Identifying Number (if you kn 21-05280	now it)	_		
Section 2. The Weak Under Co				
Did you or your institution at any time receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)? Are there any relevant conflicts of interest? Yes V No				
Section 3. Relevant financial	activities outside the s	ubmitted work.		
Place a check in the appropriate boxes in the table to indicate whether you have financial relationships (regardless of amount of compensation) with entities as described in the instructions. Use one line for each entity; add as many lines as you need by clicking the "Add +" box. You should report relationships that were present during the 36 months prior to publication . Are there any relevant conflicts of interest? Yes Vo				
Section 4. Intellectual Proper	ty Patents & Copyric	ıhts		
Do you have any patents, whether plant	ned, pending or issued, br	oadly relevant to the work? ☐ Yes ✓ No		

Muñoz-Fontela 2



Section 5. Polationships not sovered above	
Relationships not covered above	
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?	
Yes, the following relationships/conditions/circumstances are present (explain below):	
✓ No other relationships/conditions/circumstances that present a potential conflict of interest	
At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statemed on occasion, journals may ask authors to disclose further information about reported relationships.	ents.
Section 6. Disclosure Statement	
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.	
Dr. Muñoz-Fontela has nothing to disclose.	

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Muñoz-Fontela 3



Instructions

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Peto 1



Section 1.	Identifying Inform	nation			
1. Given Name (Fi Richard	rst Name)	2. Surname (Last Name) Peto	3. Date 18-May-2021		
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Philip R. Krause		
5. Manuscript Title SARS-CoV-2 Varia	e ants and Vaccines: Wha	at Needs to be Done?			
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Section 4.	Intellectual Proper	rty Patents & Copyric	ghts		
Do you have any	patents, whether plan	ned, pending or issued, br	oadly relevant to the work? Yes V No		

Peto 2



Section 5.	
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	elationships or activities that readers could perceive to have influenced, or that give the appearance of encing, what you wrote in the submitted work?
Yes, the follo	wing relationships/conditions/circumstances are present (explain below):
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Section 6.	Disclosure Statement
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Dr. Peto has not	hing to disclose.

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Peto 3



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Rees 1



Section 1.	Identifying Inform	nation			
1. Given Name (Fi Helen	rst Name)	2. Surname (Last Name) Rees	3. Date 18-May-2021		
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Philip R. Krause		
5. Manuscript Title COVID Variants a	e and Vaccines: What Nee	eds To Be Done?			
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			-		
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Section 3.	Relevant financial	activities outside the s	submitted work.		
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Section 4.	Intellectual Proper	rty Patents & Copyric	ghts		
Do you have any			oadly relevant to the work? Yes V No		

Rees 2



Section 5.	
Deculon 5.	Relationships not covered above
	relationships or activities that readers could perceive to have influenced, or that give the appearance of encing, what you wrote in the submitted work?
Yes, the follo	wing relationships/conditions/circumstances are present (explain below):
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Dr. Rees has not	hing to disclose.

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Ropero 1



Section 1.	Identifying Inform	nation			
1. Given Name (Fi Alba Maria	rst Name)	2. Surname (Last Name) Ropero	3. Date 14-May-2021		
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Philip R. Krause		
5. Manuscript Title COVID Variants a	e and Vaccines: What Nee	eds To Be Done?			
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Do you have any	patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No		

Ropero 2



Section 5.	
Deculon 5.	Relationships not covered above
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Dr. Ropero has i	nothing to disclose.

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Ryan 1



Section 1. Identifying Inform	nation				
1. Given Name (First Name) Michael	2. Surname (Last Name) Ryan	3. Date 14-May-2021			
4. Are you the corresponding author?	Yes ✓ No	Corresponding Author's Name Philip R. Krause			
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Ryan 2



Section 5.	
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Singh 1



Section 1.	Identifying Inform	nation			
1. Given Name (Fi Jerome	rst Name)	2. Surname (Last Name) Singh	3. Date 23-April-2021		
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Philip R. Krause		
5. Manuscript Title SARS-CoV-2 Vari	e ants and Vaccines: Wha	at Needs To Be Done?			
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Place a check in the appropriate boxes in the table to indicate whether you have financial relationships (regardless of amount of compensation) with entities as described in the instructions. Use one line for each entity; add as many lines as you need by clicking the "Add +" box. You should report relationships that were present during the 36 months prior to publication . Are there any relevant conflicts of interest? Yes Vo					
Section 4.	Intellectual Proper	rty Patents & Copyri	ghts		
Do you have any	patents, whether plan	ned, pending or issued, br	oadly relevant to the work? Yes V No		

Singh 2



Section 5.	Relationships not covered above
	relationships or activities that readers could perceive to have influenced, or that give the appearance of encing, what you wrote in the submitted work?
✓ Yes, the follo	owing relationships/conditions/circumstances are present (explain below):
No other rela	ationships/conditions/circumstances that present a potential conflict of interest
I drafted WHO G	uidance on placebo use and unblinding in COVID-19 vaccine trials, on behalf of a WHO Expert Group:
	no.int/iris/ bitstream/handle/10665/337940/WHO-2019-nCoV- Policy_Brief-EUD_placebo- ine_trials-2020.1-eng.pdf ?sequence=1&isAllowed=y (18 December 2020).
	anuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements
Section 6.	Disclosure Statement
Based on the abbelow.	ove disclosures, this form will automatically generate a disclosure statement, which will appear in the box
WHO Expert Gro	ts that he drafted WHO Guidance on placebo use and unblinding in COVID-19 vaccine trials, on behalf of a pup: https://apps.who.int/iris/ bitstream/handle/10665/337940/WHO-2019-nCoV- Policy_Briefontrolled_vaccine_trials-2020.1-eng.pdf ?sequence=1&isAllowed=y (18 December 2020).

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4. Intellectual Property.

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

Relationships not covered above.

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

Other: Anything not covered under the previous three boxes

Pending: The patent has been filed but not issued

Issued: The patent has been issued by the agency

Licensed: The patent has been licensed to an entity, whether earning royalties or not

Royalties: Funds are coming in to you or your institution due to your patent



Section 1. Identifying Inform	ation							
Given Name (First Name) Matthew	2. Surname (Last Nan Snape	ne)	3. Date 12-May-2021					
4. Are you the corresponding author?	☐ Yes ✓ No	-	Corresponding Author's Name Philip R. Krause					
5. Manuscript Title SARS-CoV-2 Variants and Vaccines: What Needs To Be Done?								
6. Manuscript Identifying Number (if you kn 21-05280	ow it)							
Section 2. The Work Under Co								
The Work Under Co	onsideration for P	ublication						
			government, commercial, private foundation, board, study design, manuscript preparation,	etc.) for				
Are there any relevant conflicts of intere	st?	No						
Section 3. Relevant financial a	activities outside 1	the submitted v	work.					
Place a check in the appropriate boxes in the table to indicate whether you have financial relationships (regardless of amount of compensation) with entities as described in the instructions. Use one line for each entity; add as many lines as you need by clicking the "Add +" box. You should report relationships that were present during the 36 months prior to publication . Are there any relevant conflicts of interest?								
Name of Entity	Grant? Personal Fees?	Non-Financial Support?	Other? Comments					
Astra Zeneca	V		Financial support for COVID-19 vaccine studies, paid to University o Oxford	f				
Pfizer	V		Financial support for non-COVID-19 clinical research, paid to University of Oxford					
GlaxoSmithKline	V		Financial support for non-COVID-19 clinical research, paid to University of Oxford					
MCM Vaccines	V		Financial support for non-COVID-19 clinical research, paid to University of Oxford					



Name of Entity	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments
N ovavax	√				Financial support for non-COVID-19 clinical research, paid to University of Oxford
Janssen	√			✓	Financial support and vaccine supply for non-COVID-19 clinical research, paid to University of Oxford
Medimmune	✓				Financial support for non-COVID-19 clinical research, paid to University of Oxford
Section 4. Intellectual Propert	y Pate	ents & Cop	pyrights		
Do you have any patents, whether plann	ed, pend	ing or issue	ed, broadly releva	nt to the	work? Yes 🗸 No
Section 5. Relationships not o	overed	above			
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?					
Yes, the following relationships/cond	litions/cir	cumstance	es are present (exp	olain belo	w):
✓ No other relationships/conditions/cir	cumstan	ces that pre	esent a potential o	conflict of	interest
At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements. On occasion, journals may ask authors to disclose further information about reported relationships.					
Section 6. Disclosure Stateme	nt				
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.					
Dr. Snape reports grants from AstraZeneca, grants from Pfizer, grants from GlaxoSmithKline, grants from MCM Vaccines, grants from N ovavax, grants and other from Janssen, grants from Medimmune, outside the submitted work; .					



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Licensed: The patent has been licensed to an entity, whether earning royalties or not

Royalties: Funds are coming in to you or your institution due to your patent

Subbarao 1



Section 1.	Identifying Inform	nation				
Given Name (First Name) Kanta		2. Surname (Last Name) Subbarao	3. Date 23-April-2021			
4. Are you the corresponding author?		Yes 🗸 No	Corresponding Author's Name Philip R. Krause			
5. Manuscript Title SARS-CoV-2 Variants and Vaccines: What Needs To Be Done?						
6. Manuscript Identifying Number (if you know it) 21-05280						
			_			
Section 2. The Work Under Consideration for Publication						
Did you or your institution at any time receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)? Are there any relevant conflicts of interest? Yes No						
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Section 4.	Intellectual Proper	rty Patents & Copyri	ghts			
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Vo						

Subbarao 2



Section 5. Polationships not sovered above				
Relationships not covered above				
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?				
Yes, the following relationships/conditions/circumstances are present (explain below):				
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Section 6. Disclosure Statement				
Disclosure Statement				
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Dr. Subbarao has nothing to disclose.				

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Subbarao 3



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Royalties: Funds are coming in to you or your institution due to your patent

Swaminathan 1



Section 1.	Identifying Inform	nation				
Given Name (First Name) Soumya		2. Surname (Last Name) Swaminathan	3. Date 11-May-2021			
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Philip R. Krause			
5. Manuscript Title SARS-CoV-2 Vaccines and Variants: What Needs To Be Done		at Needs To Be Done				
6. Manuscript Identifying Number (if you know it) 21-05280						
Section 2. The Work Under Consideration for Publication						
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Section 4.	Intellectual Proper	rty Patents & Copyri	ghts			
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Vo						

Swaminathan 2



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