

#### **Instructions**

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## Identifying information.

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## 4. Intellectual Property.

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

Cheung 1



Section 1.	Identifying Inform	nation	
1. Given Name (Fir Vivian	rst Name)	2. Surname (Last Name) Cheung	3. Date 08-December-2020
4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Avindra Nath
5. Manuscript Title Microvascular Inj	e Jury in the Brains of Pat	cients with COVID-19	
6. Manuscript Ider 20-33369	ntifying Number (if you kr	now it)	
Section 2.	The Work Under Co	onsideration for Publi	ication
any aspect of the s statistical analysis,	ubmitted work (including	but not limited to grants, d	n 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	ibed in the instructions. Uport relations hips that we	nether you have financial relationships (regardless of amount lse one line for each entity; add as many lines as you need by ere <b>present during the 36 months prior to publication</b> .
Section 4.	Intellectual Proper	rty Patents & Copyri	ghts
Do you have any	patents, whether plan	ned, pending or issued, b	roadly relevant to the work? Yes V No

Cheung 2



Section 5. Polationships not severed above
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Section 6. Disclosure Statement
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Dr. Cheung has nothing to disclose.

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Dodd 1



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4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Avindra Nath
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Dodd 2



Section 5.		
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Dr. Dodd has no	thing to disclose.	

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Folkerth 1



Section 1. Identif	fying Information		
Given Name (First Name) Rebecca	2. Surname (L Folkerth	st Name)	3. Date 08-December-2020
4. Are you the correspondin	g author? Yes	No Corresponding A Avindra Nath	Author's Name
5. Manuscript Title Microvascular Injury in the	e Brains of Patients with COV	D-19	
6. Manuscript Identifying Nu 20-33369	umber (if you know it)		
Section 2. The Wo	ork Under Consideration	or Publication	
	work (including but not limited		rnment, commercial, private foundation, etc.) for rd, study design, manuscript preparation,
Section 3. Releva	nt financial activities out	side the submitted worl	к.
of compensation) with en	tities as described in the insti You should report relationshi	uctions. Use one line for eac	nancial relationships (regardless of amount ch entity; add as many lines as you need by g the 36 months prior to publication.
Section 4. Intelle	ctual Property Patents	& Copyrights	
Do you have any patents,	whether planned, pending o	issued, broadly relevant to	the work? Yes No

Folkerth 2



Section 5. Belationships not solvered above
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Hefti 1



Section 1. Identifying Inform	ation		
1. Given Name (First Name) Marco	2. Surname (Last Name) Hefti		3. Date 08-December-2020
4. Are you the corresponding author?	Yes ✓ No	Corresponding Author	or's Name
5. Manuscript Title Microvascular Injury in the Brain of Patie	ents with COVID-19		
6. Manuscript Identifying Number (if you kn 20-33369	ow it)		
Section 2. The Work Under Co	nsideration for Public	cation	
Did you or your institution <b>at any time</b> received any aspect of the submitted work (including statistical analysis, etc.)?  Are there any relevant conflicts of interecting life yes, please fill out the appropriate inform Excess rows can be removed by pressing	but not limited to grants, da st?  Yes  No rmation below. If you hav	ta monitoring board, st	
Name of Institution/Company	Grant	n-Financial other?	Comments
National Institute of Neurological Disorders and Stroke	<b>✓</b>		K23NS109284
Section 3. Relevant financial a	activities outside the s	submitted work.	
Place a check in the appropriate boxes in of compensation) with entities as descril clicking the "Add +" box. You should rep Are there any relevant conflicts of intere	oed in the instructions. Us ort relationships that wer	se one line for each ei	ntity; add as many lines as you need by
Section 4. Intellectual Proper	ty Patents & Copyric	yhts	
Do you have any patents, whether plann	ned, pending or issued, br	oadly relevant to the	work? Yes V

Hefti 2



Section 5. Polationships not severed above		
Relationships not covered above		
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Dr. Hefti reports grants from National Institute of Neurological Disorders and Stroke, during the conduct of the study.		

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Horkayne-Szakaly 1

patent



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4. Are you the corr	esponding author?	Yes 🗸 No	Corresponding Author's Name Avindra Nath
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Horkayne-Szakaly 2



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Horkayne-Szakaly 3



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Other: Anything not covered under the previous three boxes

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**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

Jones 1



Section 1. Identifying Inform	nation	
1. Given Name (First Name) Robert V	2. Surname (Last Name) Jones	3. Date 08-December-2020
4. Are you the corresponding author?	☐ Yes ✓ No	Corresponding Author's Name Avindra Nath
5. Manuscript Title Microvascular Injury in the Brains of Pa	tients with COVID-19	
6. Manuscript Identifying Number (if you k 20-33369	now it)	
Section 2. The Work Under C	onsideration for Publi	cation
	g 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) with entities as descri	ribed in the instructions. Us 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 Prope	rty Patents & Copyri	ghts
Do you have any patents, whether plan	nned, pending or issued, br	roadly relevant to the work? Yes V No

Jones 2



Section 5.	Deletionaline and account about				
	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	Yes, the following relationships/conditions/circumstances are present (explain below):				
✓ No other rela	tionships/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					
Section 6.	Disclosure Statement				
Based on the abo	ove disclosures, this form will automatically generate a disclosure statement, which will appear in the box				
Dr. Jones has no	othing to disclose.				

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Koretsky 1



Section 1.	Identifying Inform	nation	
1. Given Name (Fi Alan	rst Name)	2. Surname (Last Name) Koretsky	3. Date 08-December-2020
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Avindra Nath
5. Manuscript Title Microvascular In	e jury in the Brains of Pat	tients with COVID-19	
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any aspect of the s statistical analysis,	ubmitted work (including	g but not limited to grants, da	a third party (government, commercial, private foundation, etc.) for ita monitoring board, study design, manuscript preparation,
Section 3.	Relevant financial	activities outside the s	submitted work.
of compensation clicking the "Add	) with entities as descri	ibed in the instructions. Us 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 Prope	rty Patents & Copyri	ghts
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Vo			

Koretsky 2



Section 5. Relationships 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
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Lee 1



Section 1. Identifyi	ng Information			
1. Given Name (First Name) Myoung-Hwa	2. Surname (Last Name) Lee	3. Date 08-December-2020		
4. Are you the corresponding a	uthor? Yes V No	Corresponding Author's Name Avindra Nath		
5. Manuscript Title Microvascular Injury in the B	rains of Patients with COVID-19			
6. Manuscript Identifying Num 20-33369	ber (if you know it)			
Section 2. The Worl	k Under Consideration for Publi	cation		
	ork (including but not limited to grants, d	n a third party (government, commercial, private foundation, etc.) for lata monitoring board, study design, manuscript preparation,		
Section 3. Relevant	financial activities outside the	submitted work.		
of compensation) with entiti	ies as described in the instructions. U u should report relationships that we	nether you have financial relationships (regardless of amount lse one line for each entity; add as many lines as you need by ere <b>present during the 36 months prior to publication</b> .		
Section 4. Intellectu	ual Property Patents & Copyri	ghts		
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Vo				

Lee 2



Section 5. Relationships not severed above
Relationships not covered above
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Li 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fii Wenxue	rst Name)	2. Surname (Last Name) Li	3. Date 08-December-2020	
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Avindra Nath	
5. Manuscript Title Microvascular Inj	e jury in the Brains of Pat	tients with COVID-19		
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Section 4.	Intellectual Prope	rty Patents & Copyri	ghts	
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Vo				

Li 2



Section 5. Polytionships not sovered above
Relationships not covered above
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Maric 1



Section 1.	Identifying Inform	nation	
1. Given Name (Fii Dragan	rst Name)	2. Surname (Last Name) Maric	3. Date 08-December-2020
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Avindra Nath
5. Manuscript Title Microvascular In	e jury in the Brains of Pat	tients with COVID-19	
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Section 4.	Intellectual Prope	rty Patents & Copyri	ghts
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Vo			

Maric 2



Section 5. Belationships not solvered above
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Masliah 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fi	rst Name)	2. Surname (Last Name) Masliah	3. Date 08-December-2020	
4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Avindra Nath	
5. Manuscript Title Microvascular In	e jury in the Brains of Pat	tients with COVID-19		
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Masliah 2



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Moncur 1



Section 1.	Identifying Inform	ation		
1. Given Name (Firs Joel	st Name)	2. Surname (Last Name) Moncur	3. Date 07-December-2020	0
4. Are you the corresponding author?		Yes ✓ No	Corresponding Author's Name Avindra Nath	
5. Manuscript Title Microvascular Inju	ury in the Brains of Pat	ients with COVID-19		
6. Manuscript Ident 20-33369	tifying Number (if you kn	ow it)		
Section 2.	The Work Under Co	onsideration for Publi	cation	
any aspect of the su statistical analysis, e	bmitted work (including	but not limited to grants, d	a third party (government, commercial, private four ata monitoring board, study design, manuscript prep	
Section 3.	Relevant financial	activities outside the	submitted work.	
of compensation) clicking the "Add	with entities as descri	bed in the instructions. Uport relations hips that we	ether you have financial relationships (regardle se one line for each entity; add as many lines as re <b>present during the 36 months prior to pub</b>	you need by
Section 4.	Intellectual Proper	ty Patents & Copyri	ghts	
Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes Vo				

Moncur 2



Section 5. Relationships not severed 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 statements On occasion, journals may ask authors to disclose further information about reported relationships.
Section 6. Disclosure Statement
Disclosure Statement
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.
Dr. Moncur has nothing to disclose.

## **Evaluation and Feedback**

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Moncur 3



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Murray 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fir Helen	rst Name)	2. Surname (Last Name) Murray	3. Date 10-December-2020	
4. Are you the cor	e you the corresponding author? Yes V		Corresponding Author's Name Avindra Nath	
5. Manuscript Title Microvascular Inj	e jury in the Brains of Pat	tients with COVID-19		
6. Manuscript Ider 20-33369	ntifying Number (if you kr	now it)		
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Did you or your institution <b>at any time</b> 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 plan	ned, pending or issued, br	roadly relevant to the work? Yes V No	

Murray 2



Section 5.	
Section 5.	Relationships not covered above
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Yes, the following	ng relationships/conditions/circumstances are present (explain below):
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Section 6. D	Pisclosure Statement
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Nair 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fii Govind	rst Name)	2. Surname (Last Name) Nair	3. Date 07-December-2020	
4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Name Avindra Nath	
5. Manuscript Title Microvascular Inj	e jury in the Brains of Pat	ients with COVID-19		
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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	

Nair 2



Section 5.	Deletionshing not covered above			
	Relationships not covered above			
	elationships or activities that readers could perceive to have influenced, or that give the appearance of encing, what you wrote in the submitted work?			
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Nath 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fi Avindra	rst Name)	2. Surname (Last Name) Nath	3. Date 07-December-2020	
4. Are you the corresponding author?    ✓ Yes    No				
5. Manuscript Title Microvascular In	e jury in the Brains of Pat	ients with COVID-19		
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any aspect of the s statistical analysis,	ubmitted work (including	but not limited to grants, data monitori	y (government, commercial, private foundation, etc.) for ng board, study design, manuscript preparation,	
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Section 4.	Intellectual Proper	ty Patents & Copyrights		
Do you have any	patents, whether plan	ned, pending or issued, broadly relev	vant to the work?  Yes ✓ No	

Nath 2



Section 5.	
R	elationships not covered above
	cionships or activities that readers could perceive to have influenced, or that give the appearance of ng, what you wrote in the submitted work?
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Perl 1



Section 1. Identifying Inform				
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1. Given Name (First Name) Daniel	2. Surname (Last Name) Perl	3. Date 07-December-2020		
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Section 4. Intellectual Prope	rty Patents & Copyrig	ghts		
Do you have any patents, whether plan				

Perl 2



Section 5.	
Deculon 5.	Relationships not covered above
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Cartinu C	
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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

Stram 1



Section 1.	Identifying Inform	nation		
1. Given Name (Fii Michelle	rst Name)	2. Surname (Last Name) Stram	3. Date 07-December-2020	
4. Are you the cor	. Are you the corresponding author? Yes Volume		Corresponding Author's Name Avindra Nath	
5. Manuscript Title Microvascular In	e jury in the Brains of Pat	tients with COVID-19		
6. Manuscript Ider 20-33369	ntifying Number (if you kr	now it)		
Section 2.	The Work Under Co	onsideration for Publi	cation	
Did you or your institution <b>at any time</b> 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.	
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 <b>present during the 36 months prior to publication</b> .  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	roadly relevant to the work? Yes V No	

Stram 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 state On occasion, journals may ask authors to disclose further information about reported relationships.	ments.
Section 6. Disclosure Statement	
Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the bobelow.	ıχ
Dr. Stram has nothing to disclose.	

#### **Evaluation and Feedback**

Please visit <a href="http://www.icmje.org/cgi-bin/feedback">http://www.icmje.org/cgi-bin/feedback</a> to provide feedback on your experience with completing this form.

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#### **Instructions**

The purpose of this form is to provide readers of your manuscript with information about your other interests that could influence how they receive and understand your work. The form is designed to be completed electronically and stored electronically. It contains programming that allows appropriate data display. Each author should submit a separate form and is responsible for the accuracy and completeness of the submitted information. The form is in six parts.

## Identifying information.

## 2. The work under consideration for publication.

This section asks for information about the work that you have submitted for publication. The time frame for this reporting is that of the work itself, from the initial conception and planning to the present. The requested information is about resources that you received, either directly or indirectly (via your institution), to enable you to complete the work. Checking "No" means that you did the work without receiving any financial support from any third party -- that is, the work was supported by funds from the same institution that pays your salary and that institution did not receive third-party funds with which to pay you. If you or your institution received funds from a third party to support the work, such as a government granting agency, charitable foundation or commercial sponsor, check "Yes".

#### 3. Relevant financial activities outside the submitted work.

This section asks about your financial relationships with entities in the bio-medical arena that could be perceived to influence, or that give the appearance of potentially influencing, what you wrote in the submitted work. You should disclose interactions with ANY entity that could be considered broadly relevant to the work. For example, if your article is about testing an epidermal growth factor receptor (EGFR) antagonist in lung cancer, you should report all associations with entities pursuing diagnostic or therapeutic strategies in cancer in general, not just in the area of EGFR or lung cancer.

Report all sources of revenue paid (or promised to be paid) directly to you or your institution on your behalf over the 36 months prior to submission of the work. This should include all monies from sources with relevance to the submitted work, not just monies from the entity that sponsored the research. Please note that your interactions with the work's sponsor that are outside the submitted work should also be listed here. If there is any question, it is usually better to disclose a relationship than not to do so.

For grants you have received for work outside the submitted work, you should disclose support ONLY from entities that could be perceived to be affected financially by the published work, such as drug companies, or foundations supported by entities that could be perceived to have a financial stake in the outcome. Public funding sources, such as government agencies, charitable foundations or academic institutions, need not be disclosed. For example, if a government agency sponsored a study in which you have been involved and drugs were provided by a pharmaceutical company, you need only list the pharmaceutical company.

## 4. Intellectual Property.

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

## Relationships not covered above.

Use this section to report 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.

#### Definitions.

**Entity:** government agency, foundation, commercial sponsor, academic institution, etc.

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Watts 1



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Do you have any	patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No	

Watts 2



Section 5. Polationships not sovered above	
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