

#### Instructions

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

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Section 1. Identifying Informa	ation	
1. Given Name (First Name) Rachel	2. Surname (Last Name) Zemans	3. Date 14-March-2018
4. Are you the corresponding author?	Yes Vorresponding Au Eric P Schmidt	uthor's Name
5. Manuscript Title Epithelial Heparan Sulfate Contributes to	o Alveolar Barrier Function and Is Shed Duri	ing Lung Injury
6. Manuscript Identifying Number (if you kno Red-2017-0428OC.R1	ow it)	
Section 2. The Work Under Co		
The Work Under Co	onsideration for Publication	
	ve payment or services from a third party (govern but not limited to grants, data monitoring board	nment, commercial, private foundation, etc.) for d, study design, manuscript preparation,
Are there any relevant conflicts of interes	st? 🗌 Yes 🖌 No	
Section 3. Relevant financial a	activities outside the submitted work	
	n the table to indicate whether you have fin bed in the instructions. Use one line for each	h entity; add as many lines as you need by

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? 🗌 Yes 🛛 🗸 🕅	ne work? 🗌 Yes 🖌 No
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Dr. Zemans has nothing to disclose.

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Continue 1			
Section 1.	Identifying Inforn	nation	
1. Given Name (Fi Julie	irst Name)	2. Surname (Last Name) Bastarache	3. Date
4. Are you the co	rresponding author?	Yes 🖌 No	Corresponding Author's Name Eric P Schmidt
5. Manuscript Titl Epithelial Hepar		to Alveolar Barrier Funct	ion and Is Shed During Lung Injury
6. Manuscript Ide Red-2017-04280	ntifying Number (if you kı DC.R1	now it)	
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Section 2.	The Work Under C	onsideration for Pub	lication
	submitted work (including		m a third party (government, commercial, private foundation, etc.) for data monitoring board, study design, manuscript preparation,
Are there any re	levant conflicts of inter	est? Yes 🖌 No	
Section 3.	Relevant financial	activities outside the	e submitted work.
Place a check in	the appropriate boxes	in the table to indicate w	hether you have financial relationships (regardless of amount

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Are there any relevant conflicts of interest? Y	es	$\checkmark$	No
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Do you have any patents, whether planned, pending or issued, broadly relevant to the work?	<b></b>	Yes	✓ No	,
	1 1		•	



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Section 1.	Identifying Inf	ormation	
1. Given Name (Fi Eric	rst Name)	2. Surname (Last Name) Schmidt	3. Date 02-March-2018
4. Are you the co	responding author?	✓ Yes No	
5. Manuscript Titl Epithelial Hepar		tes to Alveolar Barrier Function and Is Shee	d During Lung Injury
6. Manuscript Ide Red-2017-04280	ntifying Number (if yo )C.R1	u know it)	

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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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If yes, please fill out the appropriate information below. If you have more than one entity press the "ADD" button to add a row
Excess rows can be removed by pressing the "X" button.

Name of Institution/Company	Grant?	Personal Fees?	Non-Financial Support	Other?	Comments	
National Institutes of Health	$\checkmark$				R01 HL125371	

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Are there any relevant conflicts of interest? Yes 🗸 No

Section 4.	
	Intellectual Property Patents & Convrights
	Intellectual Property Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? Yes 🖌 No



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Dr. Schmidt reports grants from National Institutes of Health, during the conduct of the study.

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Section 4. Intellectual Property -- Patents & Copyrights

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✓ No

Yes



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Section II	Identifying Infor	mation	
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4. Are you the cor	responding author?	Yes 🖌 No	Corresponding Author's Name Eric P Schmidt
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Are there any rel	evant conflicts of inte	rest? 🖌 Yes 🛛 No	

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NIH	$\checkmark$					

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1. Given Name (First Name) YIMU	2. Surname (Last Name) YANG		3. Date 09-March-2018
4. Are you the corresponding author?	Yes 🖌 No	Corresponding Author's Na Eric P Schmidt	me
5. Manuscript Title Epithelial Heparan Sulfate Contributes	to Alveolar Barrier Function	on and Is Shed During Lung	Injury
6. Manuscript Identifying Number (if you k Red-2017-0428OC.R1	now it)		
Section 2. The Work Under C	onsideration for Publ	ication	
Did you or your institution <b>at any time</b> reco any aspect of the submitted work (includin statistical analysis, etc.)?			
Are there any relevant conflicts of inter	rest? Yes 🖌 No		
Section 3. Relevant financial	activities outside the	submitted work.	
Place a check in the appropriate boxes of compensation) with entities as desc clicking the "Add +" box. You should re Are there any relevant conflicts of inter	ribed in the instructions. Upport relationships that we	Ise one line for each entity; a	add as many lines as you need by

Do you have any patents, whether planned, pending or issued, broadly relevant to the work?		Yes	٥V
	1 1		



# Section 5. Relationships not covered above

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Dr. YANG has nothing to disclose.

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Section 1. Identifying Information
1. Given Name (First Name)2. Surname (Last Name)3. DateXiaoruiHan03-March-2018
4. Are you the corresponding author? Yes Vo Corresponding Author's Name Eric P Schmidt
5. Manuscript Title Epithelial Heparan Sulfate Contributes to Alveolar Barrier Function and Is Shed During Lung Injury
6. Manuscript Identifying Number (if you know it) Red-2017-0428OC.R1
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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.) fo 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 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 $\checkmark$ No

Do you have any patents, whether planned, pending or issued, broadly relevant to the work?		Yes	10
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Section 1. Identifying Inform	nation		
1. Given Name (First Name) Robert	2. Surname (Last Name) Linhardt		3. Date 02-March-2018
4. Are you the corresponding author?	Yes 🖌 No	Corresponding Author's Na Eric P Schmidt	me
5. Manuscript Title Epithelial Heparan Sulfate Contributes	to Alveolar Barrier Functio	n and Is Shed During Lung	Injury
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Section 1. Identifying Inform	ation	
1. Given Name (First Name) Xinyue	2. Surname (Last Name) Liu	3. Date 04-March-2018
4. Are you the corresponding author?	Yes 🖌 No	Corresponding Author's Name Eric P Schmidt
5. Manuscript Title Epithelial Heparan Sulfate Contributes t	o Alveolar Barrier Functi	on and Is Shed During Lung Injury
6. Manuscript Identifying Number (if you kr Red-2017-0428OC.R1	low it)	
Section 2. The Work Under Co	onsideration for Publ	ication
	but not limited to grants, c	n a third party (government, commercial, private foundation, etc.) for lata monitoring board, study design, manuscript preparation,
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Do you have any patents, whether planned, pending or issued, broadly relevant to the work?		Yes	<b>√</b>   N	10
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Section 1. Identifying Inform	ation		
1. Given Name (First Name) Sarah	2. Surname (Last Name) McMurtry		3. Date 05-March-2018
4. Are you the corresponding author?	Yes 🖌 No	Corresponding Author's Na Eric P Schmidt	me
5. Manuscript Title Epithelial Heparan Sulfate Contributes t	o Alveolar Barrier Functio	n and Is Shed During Lung	Injury
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Section 1. Identifying Information	
1. Given Name (First Name)2. Surname (Last Name)YilanOuyang	ame) 3. Date 02-March-2018
4. Are you the corresponding author? Yes 🖌 No	Corresponding Author's Name Eric P Schmidt
5. Manuscript Title Epithelial Heparan Sulfate Contributes to Alveolar Barrier Fu	unction and Is Shed During Lung Injury
6. Manuscript Identifying Number (if you know it) Red-2017-0428OC.R1	
Section 2. The Work Under Consideration for J	
The Work Under Consideration for I	Publication
	es from a third party (government, commercial, private foundation, etc.) for Ints, data monitoring board, study design, manuscript preparation,
	No
Section 3. Relevant financial activities outside	the submitted work.
of compensation) with entities as described in the instruction	te whether you have financial relationships (regardless of amount ons. Use one line for each entity; add as many lines as you need by at were <b>present during the 36 months prior to publication</b> . No

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? $\; [$	Yes	🖌 No	



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1. Given Name (First Name) Fuming	2. Surname (Last Name) Zhang		3. Date 04-March-2018
4. Are you the corresponding author?	Yes 🖌 No	Corresponding Author's Na Eric P Schmidt	me
5. Manuscript Title Epithelial Heparan Sulfate Contributes	to Alveolar Barrier Functic	on and Is Shed During Lung	Injury
6. Manuscript Identifying Number (if you k Red-2017-0428OC.R1	now it)		
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Are there any relevant conflicts of inter	rest? 🗌 Yes 🖌 No		
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Are there any relevant conflicts of inter	rest? Yes 🖌 No		

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? $\; [$	7	Yes	$\checkmark$	No
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Section 1. Identifying Inform	nation		
1. Given Name (First Name) Joel	2. Surname (Last Name) McNeil		3. Date 05-March-2018
4. Are you the corresponding author?	Yes 🖌 No	Corresponding Author's Na Eric P Schmidt	ime
5. Manuscript Title Epithelial Heparan Sulfate Contributes	to Alveolar Barrier Functio	on and Is Shed During Lung	Injury
6. Manuscript Identifying Number (if you k Red-2017-0428OC.R1	now it)		
		_	
Section 2. The Work Under C	Consideration for Publi	ication	
Did you or your institution <b>at any time</b> rece any aspect of the submitted work (includin statistical analysis, etc.)? Are there any relevant conflicts of inter	eive payment or services fron g but not limited to grants, d	n a third party (government, cc	
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Place a check in the appropriate boxes of compensation) with entities as desc clicking the "Add +" box. You should re Are there any relevant conflicts of inter	ribed in the instructions. U eport relationships that we	lse one line for each entity;	add as many lines as you need by

Do you have any patents, whether planned, pending or issued, broadly relevant to the work? $\;[$	יך	Yes [	✓ No	
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Identifying Inform	nation	
1. Given Name (First Name) Eva	2. Surname (Last Name) Nozik-Grayck	3. Date 03-March-2018
4. Are you the corresponding author?	Yes 🖌 No	Corresponding Author's Name Eric P Schmidt
5. Manuscript Title Epithelial Heparan Sulfate Contributes	to Alveolar Barrier Function	on and Is Shed During Lung Injury
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