Date:	3/2/2023
Your Name:	Brianne M. Bettcher
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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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.	None	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).	R01AG058772 Department of Defense (W81XWH1910520)	
3	Royalties or licenses	None None	

			Specifications/Comments (e.g., if payments were made to you or to your institution)
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	
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:	3/1/2023
Your Name:	David Holtzman
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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		Time frame: Since the initial planning	of the work
2	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 Time frame: past 36 month None	Click the tab key to add additional rows.
	contracts from any entity (if not indicated in item #1 above).	NextCure, Denali, Novartis, Ionis, Eli Lilly	Washington University receives research grants to the Holtzman laboratory
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	Genentech, Denali., Cajal Neurosciences, and Alector	Payments to DMH
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	C2N Diagnostics	Co-founded and is on scientific advisory board

			entities with whom you have this thip 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	No.	one	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	No.	one	
13	Other financial or non-financial interests	No.	one	
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:	3/2/2023
Your Name:	Vitaly Kheyfets
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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			e all entities with whom you have this onship 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	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	

		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 Intellectual ventures Garmin	Paid Consultant Unpaid Consultant
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:	3/2/2023
Your Name:	Eugene Kronberg
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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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	s
2	Grants or contracts from any entity (if not indicated in item #1 above).	None	
3	Royalties or licenses	None	

			Specifications/Comments (e.g., if payments were made to you or to your institution)
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	
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:	3/2/2023
Your Name:	Brice McConnell
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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2	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	None Time frame: past 36 months	Click the tab key to add additional rows.
3	any entity (if not indicated in item #1 above). Royalties or licenses	R01AG058772	

			Specifications/Comments (e.g., if payments were made to you or to your institution)
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	
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:	3/2/2023
Your Name:	Lindsey Medenblik
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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			e all entities with whom you have this onship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
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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	

			Specifications/Comments (e.g., if payments were made to you or to your institution)
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	
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:	3/2/2023
Your Name:	Rachelle Pulver
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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2	Grants or contracts from any entity (if not indicated in item #1 above).	None None	
3	Royalties or licenses	None	

			Specifications/Comments (e.g., if payments were made to you or to your institution)
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	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	None	

tock or stock ptions	⊠ None	
eceipt of quipment, naterials, drugs, nedical writing, ifts or other ervices	None	
ther financial or on-financial iterests	None Currently employed by Google	No overlap between Google employment scope and ideas or content of this manuscript
if ent ont	edical writing, edical writing, ts or other evices her financial or n-financial erests	edical writing, ts or other rvices her financial or n-financial

Date:	3/2/2023
Your Name:	Stefan H. Sillau
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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		Name all entities with whom you have this relationship or indicate none (add rows as needed) Specifications/Comments (e.g. made to you or to your institut	
		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 months	
2	Grants or contracts from any entity (if not indicated in item #1 above).	None None	
3	Royalties or licenses	None	

			Specifications/Comments (e.g., if payments were made to you or to your institution)
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	
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:	3/1/2023
Your Name:	Cristina D. Toedebusch
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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		Name all entities with whom you l relationship or indicate none (add		e
		Time frame: Since t	he 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 Time fra	Click the tab key to add additional rows. The control of the cont	
2	Grants or contracts from any entity (if not indicated in item #1 above).	None		
3	Royalties or licenses	None Non		

			Specifications/Comments (e.g., if payments were made to you or to your institution)
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	
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:		3/1/2023	3/1/2023		
Your Name:		John C Morris	John C Morris		
Manuscript Title:		Mapping Sleep's Oscillatory Ever Disease	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease		
Mar	nuscript Number (if k	cnown): Click or tap here to enter text.			
content of your manuscript. "Rela affected by the content of the ma indicate a bias. If you are in double		ript. "Related" means any relation with for-profit or nor of the manuscript. Disclosure represents a commitme	e ask you to disclose all relationships/activities/interests listed below that are related to the ated" means any relation with for-profit or not-for-profit third parties whose interests may be nuscript. Disclosure represents a commitment to transparency and does not necessarily t about whether to list a relationship/activity/interest, it is preferable that you do so.		
epic	lemiology of hyperte	ension, you should declare all relationships with manuf entioned in the manuscript.			
	em #1 below, report ne for disclosure is th	all support for the work reported in this manuscript we past 36 months.	vithout time limit. For all other items, the time		
		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	None Non			
	of study materials, medical writing, article processing charges, etc.) No time limit for this item.		Click the tab key to add additional rows.		
		Time frame: past 36 month	ıs		
2	Grants or contracts from any entity (if not indicated in item #1 above).	NoneNIH support: P30 AG066444; P01AG003991;P01AG026276; U19AG032438			

		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 Barcelona Brain Research Center BBRC) Native Alzheimer Disease-Related Resource Center in Minority Aging Research, Ext Adv Board	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	Montefiore Grand Rounds, NY Tetra-Inst ADRC seminar series, Grand Rds, NY	
6	Payment for expert testimony	None ■	
7	Support for attending meetings and/or travel	None ■	
8	Patents planned, issued or pending	None Non	
9	Participation on a Data Safety Monitoring Board or Advisory Board	Cure Alzheimer's Fund, Research Strategy Council Diverse VCID Observational Study Monitoring Board LEADS Advisory Board, Indiana University	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	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)
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: \[\text{\$\ti			

Date:		<u>-</u>	3/1/2023		
Your Name:		. -	Brendan Lucey		
Mar	nuscript Title:	_	Mapping Sleep's Oscillatory Events as a Bio	marker of Alzheimer's Disease	
Mar	nuscript Number (if kı	nown):	Click or tap here to enter text.		
In the interest of transparency, we content of your manuscript. "Rela affected by the content of the ma indicate a bias. If you are in doub." The author's relationships/activiti epidemiology of hypertension, yo that medication is not mentioned			nted" means any relation with for-profit or no nuscript. Disclosure represents a commitme about whether to list a relationship/activity es/interests should be defined broadly. For each should declare all relationships with manufin the manuscript.	/interest, it is preferable that you do so.	
			l 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	
	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.		nt, P01 AG003991	Payments made to institution 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).	Eisai, co Good V foundat	ontract for clinical trial entures/Open Philanthropy, private tion funding a trial using suvorexant nts, R01 DK115502, R21 AG074151, U01 483, R01 AG080551	Not related to submitted paper Not related to submitted paper Not related to submitted paper	
3	Royalties or licenses	⊠ No	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	Merck Eli Lilly Eisai	Last consulted June 2020. On-going consulting. On-going consulting.
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	Eli Lilly, data safety monitoring board for trial of diabetes drug and OSA Beacon Biosignals, advisory board	On-going, last payment August 2022 On-going
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	Merck is donating drug and matched placebo for another trial I am starting using suvorexant. The trial is funded solely by a private foundation.	Not related to paper under review
13	Other financial or non-financial interests	None	
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:	3/1/2023
Your Name:	Alberto R. Ramos
Manuscript Title:	Mapping Sleep's Oscillatory Events as a Biomarker of Alzheimer's Disease
Manuscript Number (if known):	Click or tap here to enter text.

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		Time frame: Since the initial p	lanning 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 3	5 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	None R01AG067568	
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	NeuroGeneces, Inc.	
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	
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	
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.			