



Life Science Alliance

# nNOS REGULATES CILIATED CELL POLARITY, CILIARY BEAT FREQUENCY, AND DIRECTIONAL FLOW IN MOUSE TRACHEA

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*Corresponding author(s): Natalia Peunova, Stony Brook University of NY*

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## Review Timeline:

|                     |            |
|---------------------|------------|
| Submission Date:    | 2021-01-11 |
| Editorial Decision: | 2021-01-29 |
| Revision Received:  | 2021-02-08 |
| Accepted:           | 2021-02-09 |

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*Scientific Editor: Shachi Bhatt*

## Transaction Report:

(Note: With the exception of the correction of typographical or spelling errors that could be a source of ambiguity, letters and reports are not edited. The original formatting of letters and referee reports may not be reflected in this compilation.)

No full Peer Review Process File is available with this article, as the authors have chosen not to make the review process public in this case.

January 29, 2021

RE: Life Science Alliance Manuscript #LSA-2020-00981-T

Dr. Natalia Peunova  
Stony Brook University of NY  
Anesthesiology  
Stony Brook  
Stony Brook, NY 11794-5140

Dear Dr. Peunova,

Thank you for submitting your revised manuscript entitled "nNOS REGULATES CILIATED CELL POLARITY, CILIARY BEAT FREQUENCY, AND DIRECTIONAL FLOW IN MOUSE TRACHEA".

For a brief overview - this manuscript was reviewed by one of the Alliance journals, and revised accordingly. The authors transferred the revised manuscript to Life Science Alliance (LSA), along with the original reviewer comments and a point-by-point rebuttal to the reviewers' comments. LSA editors reached out to the original referees to review the manuscript.

As you will note from the reviewers' comments, the referees are mostly satisfied with how the manuscript has been improved post-revision. Reviewer 2 does have some concerns about the timing of the morphological rescue shown in Figure 8 and the sub-cellular localization of Vangl1 - both of which should be addressable with additional clarification, discussion or minor text changes. We would, thus, be happy to publish your paper in Life Science Alliance pending final revisions necessary to address these points raised by Reviewer 2 and meet our formatting guidelines.

Along with the points listed below, we also request you to attend to the following:

- please revise the legend for figure 4A, B; 5A, B; 9A so that all panels are introduced and in order
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- please add callouts for Figures 4Ba,b,c,d,e,f; 5Aa,b,c,d,e,f; 9Ca,b,c,d,e,f; 9Da,b; S1 A,B,C,D,E,F,G,H to your main manuscript text
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Thank you for your attention to these final processing requirements. Please revise and format the manuscript and upload materials within 7 days.

Thank you for this interesting contribution, we look forward to publishing your paper in Life Science Alliance.

Sincerely,

Shachi Bhatt, Ph.D.

Executive Editor

Life Science Alliance

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February 9, 2021

RE: Life Science Alliance Manuscript #LSA-2020-00981-TR

Dr. Natalia Peunova  
Stony Brook University of NY  
Anesthesiology  
Stony Brook  
Stony Brook, NY 11794-5140

Dear Dr. Peunova,

Thank you for submitting your Research Article entitled "nNOS REGULATES CILIATED CELL POLARITY, CILIARY BEAT FREQUENCY, AND DIRECTIONAL FLOW IN MOUSE TRACHEA". It is a pleasure to let you know that your manuscript is now accepted for publication in Life Science. Congratulations on this interesting work.

The final published version of your manuscript will be deposited by us to PubMed Central upon online publication.

Your manuscript will now progress through copyediting and proofing. It is journal policy that authors provide original data upon request.

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**\*\*\*IMPORTANT:** If you will be unreachable at any time, please provide us with the email address of an alternate author. Failure to respond to routine queries may lead to unavoidable delays in publication.\*\*\*

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Sincerely,

Shachi Bhatt, Ph.D.

Executive Editor

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