

# Nanoscale imaging of DNA-RNA identifies transcriptional plasticity at heterochromatin

Christelle Guillermier, Naveen VG Kumar, Ronan C Bracken, Diana Alvarez, John O'Keefe, Aditi Gurkhar, Jonathan D Brown and Matthew L Steinhauser **DOI: 10.26508/Isa.202402849** 

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Review timeline:		
	Submission Date:	2024-05-29
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Scientific Editor: Eric Sawey

# **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 Peer Review Process File is available with this article, as the authors have chosen not to make the review process public in this case.



#### **1st Editorial Decision**

25 July 2024

Re: Life Science Alliance manuscript #LSA-2024-02849-T

Matthew Steinhauser

University of Pittsburgh School of Medicine Aging Institute

Dear Dr. Steinhauser,

Thank you for submitting your manuscript entitled "Nanoscale imaging and quantification of DNA-RNA relationships identifies transcriptional plasticity at heterochromatin" to Life Science Alliance. The manuscript was assessed by expert reviewers, whose comments are appended to this letter. We invite you to submit a revised manuscript addressing the Reviewer comments.

To upload the revised version of your manuscript, please log in to your account: https://lsa.msubmit.net/cgi-bin/main.plex

You will be guided to complete the submission of your revised manuscript and to fill in all necessary information. Please get in touch in case you do not know or remember your login name.

While you are revising your manuscript, please also attend to the below editorial points to help expedite the publication of your manuscript. Please direct any editorial questions to the journal office.

The typical timeframe for revisions is three months. Please note that papers are generally considered through only one revision cycle, so strong support from the referees on the revised version is needed for acceptance.

When submitting the revision, please include a letter addressing the reviewers' comments point by point.

We hope that the comments below will prove constructive as your work progresses.

Thank you for this interesting contribution to Life Science Alliance. We are looking forward to receiving your revised manuscript.

Sincerely,

Eric Sawey, PhD

**Executive Editor** 

Life Science Alliance

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# A. THESE ITEMS ARE REQUIRED FOR REVISIONS

-- A letter addressing the reviewers' comments point by point.

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## 2nd Editorial Decision

RE: Life Science Alliance Manuscript #LSA-2024-02849-TR

Prof. Matthew Steinhauser University of Pittsburgh 100 Technology Drive Rm 558 Pittsburgh, PA 15219

Dear Dr. Steinhauser,

Thank you for submitting your revised manuscript entitled "Nanoscale imaging of DNA-RNA identifies transcriptional plasticity at heterochromatin". We would be happy to publish your paper in Life Science Alliance pending final revisions necessary to meet our formatting guidelines.

Along with points mentioned below, please tend to the following:

-please be sure that the authorship listing and order is correct

-please upload your supplementary figures as single files -please add the Twitter handle of your host institute/organization as well as your own or/and one of the authors in our system

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-there is a figure callout for Figure 1H, but this panel is not in the figure or the legend-please correct

-please add a figure callout for Figure 2E, Figure 3H, Figure 4L and Figure S1A

Figure Check:

-please add scale bars to Figure 3H; Figure 4B,F; Figure S1A; Figure S2; Figure S3; Figure S4; Figure S5

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-- Summary blurb (enter in submission system): A short text summarizing in a single sentence the study (max. 200 characters including spaces). This text is used in conjunction with the titles of papers, hence should be informative and complementary to the title. It should describe the context and significance of the findings for a general readership; it should be written in the present tense and refer to the work in the third person. Author names should not be mentioned.

B. MANUSCRIPT ORGANIZATION AND FORMATTING:

Full guidelines are available on our Instructions for Authors page, https://www.life-science-alliance.org/authors

We encourage our authors to provide original source data, particularly uncropped/-processed electrophoretic blots and spreadsheets for the main figures of the manuscript. If you would like to add source data, we would welcome one PDF/Excel-file per figure for this information. These files will be linked online as supplementary "Source Data" files.

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\*\*It is Life Science Alliance policy that if requested, original data images must be made available to the editors. Failure to provide original images upon request will result in unavoidable delays in publication. Please ensure that you have access to all original data images prior to final submission.\*\*

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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,

Eric Sawey, PhD Executive Editor Life Science Alliance http://www.lsajournal.org

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#### 3<sup>rd</sup> Editorial Decision

21 October 2019

RE: Life Science Alliance Manuscript #LSA-2024-02849-TRR

Prof. Matthew Steinhauser University of Pittsburgh 100 Technology Drive Rm 558 Pittsburgh, PA 15219

Dear Dr. Steinhauser,

Thank you for submitting your Research Article entitled "Nanoscale imaging of DNA-RNA identifies transcriptional plasticity at heterochromatin". It is a pleasure to let you know that your manuscript is now accepted for publication in Life Science Alliance. 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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Again, congratulations on a very nice paper. I hope you found the review process to be constructive and are pleased with how the manuscript was handled editorially. We look forward to future exciting submissions from your lab.

Sincerely,

Eric Sawey, PhD Executive Editor Life Science Alliance http://www.lsajournal.org