

## Peer Review Information

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**Journal:** Nature Cell Biology

**Manuscript Title:** Curved adhesions mediate cell attachment to soft matrix fibres in 3D

**Corresponding author name(s):** Professor Bianxiao Cui

### Editorial Notes:

**Transferred manuscripts** This manuscript has been previously reviewed at another journal that is not operating a transparent peer review scheme. This document only contains reviewer comments, rebuttal and decision letters for versions considered at Nature Cell Biology.

### Reviewer Comments & Decisions:

<b>Decision Letter, initial version:</b>
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Our ref: NCB-A50756-T

6th June 2023

Dear Dr. Cui,

I am sorry once again for the delay, as Reviewer #2 was unable to re-review your revisions. We secured reviewer #1 to assess on your responses to Reviewer #2's previous concerns.

Thank you for submitting your revised manuscript "Curved adhesions mediate cell attachment to soft matrix fibres in 3D" (NCB-A50756-T). It has now been seen by the original referee(s) and their comments are below. The reviewers find that the paper has improved in revision, and therefore we'll be happy in principle to publish it in Nature Cell Biology, pending minor revisions to satisfy the referees' final requests and to comply with our editorial and formatting guidelines.

The current version of your manuscript is in a PDF format, so please email us a copy of the file in an editable format (Microsoft Word or LaTeX)-- we can not proceed with PDFs at this stage.

We are now performing detailed checks on your paper and will send you a checklist detailing our editorial and formatting requirements in about a week. Please do not upload the final materials and make any revisions until you receive this additional information from us.

Please note that starting today through June 24th, I will be out of the office. I have cc'ed my brilliant colleague Dr. Sabrya Carim (sabrya.carim@springernature.com) who will gladly answer any questions you may have and help you in the next steps during my absence.

Thank you again for your interest in Nature Cell Biology Please do not hesitate to contact us if you have any questions.

Sincerely,  
Daryl

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Daryl Jason Verzosa David, PhD

Senior Editor, Nature Cell Biology  
Nature Portfolio

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Email: daryl.david@nature.com  
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Reviewer #1 (Remarks to the Author):

I went carefully through the questions that reviewer 2 had. I think the response of the authors is completely thorough and they meticulously addressed every aspect. The authors have a really strong case and I think NCB is the right journal for this work. I am convinced that this will be a highly cited paper. It is also very timely as the field of curvature sensing is more and more moving from endocytosis towards substrate interaction. Exciting work!

**Decision Letter, final checks:**

Our ref: NCB-A50756-T

19th June 2023

Dear Dr. Cui,

Thank you for your patience as we've prepared the guidelines for final submission of your Nature Cell Biology manuscript, "Curved adhesions mediate cell attachment to soft matrix fibres in 3D" (NCB-A50756-T). Please carefully follow the step-by-step instructions provided in the attached file, and add a response in each row of the table to indicate the changes that you have made. Please also check and comment on any additional marked-up edits we have proposed within the text. Ensuring that each point is addressed will help to ensure that your revised manuscript can be swiftly handed over to our production team.

We would like to start working on your revised paper, with all of the requested files and forms, as

soon as possible (preferably within two weeks). Please get in contact with us if you anticipate delays.

When you upload your final materials, please include a point-by-point response to any remaining reviewer comments.

If you have not done so already, please alert us to any related manuscripts from your group that are under consideration or in press at other journals, or are being written up for submission to other journals (see: <https://www.nature.com/nature-research/editorial-policies/plagiarism#policy-on-duplicate-publication> for details).

In recognition of the time and expertise our reviewers provide to Nature Cell Biology's editorial process, we would like to formally acknowledge their contribution to the external peer review of your manuscript entitled "Curved adhesions mediate cell attachment to soft matrix fibres in 3D". For those reviewers who give their assent, we will be publishing their names alongside the published article.

Nature Cell Biology offers a Transparent Peer Review option for new original research manuscripts submitted after December 1st, 2019. As part of this initiative, we encourage our authors to support increased transparency into the peer review process by agreeing to have the reviewer comments, author rebuttal letters, and editorial decision letters published as a Supplementary item. When you submit your final files please clearly state in your cover letter whether or not you would like to participate in this initiative. Please note that failure to state your preference will result in delays in accepting your manuscript for publication.

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Please use the following link for uploading these materials:  
[Redacted]

If you have any further questions, please feel free to contact me.

Best regards,

Kendra Donahue  
Staff  
Nature Cell Biology

On behalf of

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Daryl Jason Verzosa David, PhD

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ORCID: <https://orcid.org/0000-0002-9253-4805>

Reviewer #1:

Remarks to the Author:

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**Author Rebuttal, initial submissions:**

Response to remaining reviewer comments

Reviewer #1:

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Response:

We appreciate the reviewer's positive feedback. We are glad to hear that the reviewer found our response to the questions raised by Reviewer 2 to be comprehensive and meticulous. It is encouraging to note Reviewer #1's recognition of the timeliness of our research in the field of curvature sensing. Once again, we would like to express our gratitude for the reviewer's detailed and constructive comments in the previous rounds of review, which have helped us improve the quality of this study.

**Final Decision Letter:**

Dear Dr Cui,

I am pleased to inform you that your manuscript, "Curved adhesions mediate cell attachment to soft matrix fibres in 3D", has now been accepted for publication in Nature Cell Biology.

Thank you for sending us the final manuscript files to be processed for print and online production, and for returning the manuscript checklists and other forms. Your manuscript will now be passed to our production team who will be in contact with you if there are any questions with the production quality of supplied figures and text.

Over the next few weeks, your paper will be copyedited to ensure that it conforms to Nature Cell Biology style. Once your paper is typeset, you will receive an email with a link to choose the appropriate publishing options for your paper and our Author Services team will be in touch regarding any additional information that may be required.

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Please feel free to contact us if you have any questions.

With kind regards,  
Daryl

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