



UNIVERSIDADE DA CORUÑA

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A Coruña, April 15th 2020

I am enclosing the second revised video protocol untitled **"Synthesis of functionalized magnetic nanoparticles, their conjugation with the siderophore feroxamine and its evaluation for bacteria detection"** that we would like to be considered for publication in *Journal of Visualized Experiments*.

Thank you very much of your and the reviewer's comments on our video in order to improve the quality of the work. We have considered all the editor and reviewer's comments, that was really helpful and encourage us to contribute an interest and qualified work to the journal. We have improved several aspects of video quality following the instructions of the Editor. We have explained point-by-point the details of the revisions through my responses to the editor and reviewer's comments in the annex document. I apologize that some changes were not possible been done due to the COVID-19 outbreak.

Hopefully the revised version as well as the answers to reviewer questions fit the expectations of the journal policy.

Sincerely yours:

Carlos Jiménez (Full Professor of Organic Chemistry)

Response to the video editor comments

Editor's comments

Comments to the Author:

Use of Music:

- 02:15 Rough music loop point- needs attention.
- 02:25-11:38 This song(s) used during this time range are competing too much with the narration audio. The song(s) are very moody and have vocal content (the "ooo"s and "ahh"s). Please choose songs without vocals- songs that are fairly neutral and do not interfere with the video. There are also many parts where the music is harshly cut or edited, which increases our distraction from the video content. The music should be smooth and without obvious breaks, or simply consider eliminating it.

Answer to Editor::

All songs were eliminated from the video with exception of the introduction and end sound tracks. Our video software editor is not enough powerful to perform loops or manipulate tracks. Our video production was made by our own resources without any professional or audiovisual experts. For that reason, and due to the COVID-19 outbreak, we can't make many changes to the video.

Comments to the Author:

Editing & Pacing:

00:12-00:47 Prof. Dr. Carlos Jimenez segment: His statements are edited quite closely in time to one another. A little bit of space to separate his statements would help with our understanding of them.

Answer to Editor:

Again, we are unable to improve the editing of Dr. Jimenez's comments due to the limitations described above.

Comments to the Author:

Jump cuts are not allowed. A jump cut is an edit point between two very similar clips, resulting in a "jumpiness" in the picture.

- 05:16 Jump cut here from the freeze frame- please use a dissolve
- 05:41 Jump cut here. I don't think this edit point is even necessary, you can remove the second clip after the jump cut and just make the first one longer.

Answer to Editor:

A dissolve effect was added at 05:16 and the second clip after the jump was removed at 05:41.

Comments to the Author:

Narration Coverage and Performance:

- 02:21 There's a clip of static after the word "clear"

Answer to Editor:

Sorry, but we don't understand this comment.

Comments to the Author:

- 09:52 "50 microliters of 10 milli-milli liters" should be "50 microliters of 10 milli-molar"
- 10:33 "Incubate at 37 degrees centigrades with agitation until an optic density of 60 hundred n-m between 0.5 and 0.8 is reached" should be "Incubate at 37 °C with agitation until an O-D six-hundred of 0.5 to 0.8 is reached"

Answer to Editor:

For the same reasons described above, we are unable to record a new audio to correct them.

Comments to the Author:

- 10:59 There seems to be an audio drop-out (empty space) between the words "and elute it" and "tube". Restore the missing word or bring these phrases closer together.

Answer to Editor:

The empty space between the words "and elute it" and "tube" was shortened as much as we could.

Comments to the Author:

On-Screen Text:

- 01:24 On-screen text: "minuts" should be "minutes"
- 01:49 "minuts" should be "minutes"
- 02:18 The text work here looks a bit rough, it looks like you erased "de" and inserted "the". Anyway to simply edit the original text object instead of the paint job here?
- 06:40 "minuts" should be "minutes"
- 07:13 "minuts" should be "minutes"

Answer to Editor:

All text mistakes were corrected.