

Dear Editor:

I am pleased to resubmit for publication the revised version of Manuscript NO: 31124 “Lung microbiome in healthy and diseased individuals”.

I appreciated the constructive criticisms of the Associate Editor and the reviewers.

As indicated below, we have checked all the general and specific comments provided by the Referees and have made necessary changes accordingly to their indications.

I have addressed each of their concerns as outlined below.

The most substantial revision concerns the language polishing.

EDITOR COMMENTS:

The manuscript has been improved according to the suggestions of reviewers:

1. Revision has been made according to the reviewer’s comments and with WJR Guidelines and Requirements for Manuscript Revision
 - 1) We added a running title, author contributions, updated keywords and core tip
 - 2) We added conflicts of interest section
 - 3) We made an Audio Core Tip
 - 4) We added the information about influence of prebiotics and probiotics on gut microbiome and gut-lung axis, about impact of azithromycin on lung microbiome, about impact of GERD on lung microbiome and acid-suppression therapy on lung microbiome, about microbiota changes after antibiotics exposure. Also we corrected our Figures and added Table 1.
2. References and typesetting were corrected.

REVIEWER COMMENTS:

1. Dear reviewer 01939763!

First of all thank you for your valuable comments! We’ve looked through the article once again with a crucial attention to grammar, consulted with a native speaker and made essential corrections. Following the reviewer’s advice we’ve considered all your remarks, including grammatical errors in introduction, figures’ 1 and 2 elements, made required corrections on pages 2 and 5, 7. Also we have rewritten figure 3 legend to provide more clarity. We’ve highlighted all corrections in the text we’ve made.
Thank you!

2. Dear reviewer 00731695!

We thank you for your careful reading of the manuscript and helpful comments and suggestions. We have made revisions according to your recommendations, as described below.

We added a comment about effects of antibiotics on pulmonary and intestinal microbiome during and after treatment period (from page 10, line 15 to page 11, line 5). Unfortunately we didn't find any reliable data in literature about prevalence of viruses after the treatment.

Finally we added information about the effects of prebiotics on gut and lung microbiome and their effectiveness in managing gastrointestinal disorders (from page 11, line 26 to page 12, line 12). All corrections are highlighted.

Thank you!

3. Dear reviewer 00608223!

We would like to sincerely thank you for your great attention and interest to our paper, for your helpful advices and constructive comments!

We've done our best to polish language! Also according your recommendation we've added a table (Table 1) to summarize pro- and synbiotic's beneficial effects. We've added comments about the role of reflux treatment (from page 5, line 10 to line 21) and antibiotic therapy (in particular azithromycin) with respect to the microbiome (from page 10, line 15 to page 11, line 5).

Thank you!

Thank you again for revising our manuscript in *the World Journal of Respiriology*.

Sincerely yours,
Inna Komkova