



RETRACTION NOTE

Retraction Note to: *Lactobacillus casei* BL23 regulates T_{reg} and Th17 T-cell populations and reduces DMH-associated colorectal cancer

Marion Lenoir^{1,2} · Silvina del Carmen³ · Naima G. Cortes-Perez^{4,5} · Daniel Lozano-Ojalvo^{4,5,6} · Diego Muñoz-Provencio^{1,2} · Florian Chain^{1,2} · Philippe Langella^{1,2} · Alejandra de Moreno de LeBlanc³ · Jean Guy LeBlanc³ · Luis G. Bermúdez-Humarán^{1,2}

Published online: 8 September 2020
© Japanese Society of Gastroenterology 2020

Retraction note to:

J Gastroenterol (2016) 51:862–873
<https://doi.org/10.1007/s00535-015-1158-9>

The Editor-in-Chief has retracted this article [1]. After publication an investigation by the INRAe Research Integrity Board raised concerns about several aspects of the study. Specifically:

- that *Lactobacillus casei* BL23 harboring an empty vector was used instead of wild-type BL23 without a

plasmid to perform mice experiments analyzed in Figs. 7 and 8

- that the FACS analysis presented in Fig. 7 was conducted on two cytometers instead of one as described in the methods
- that the tissue used for RNA extraction and qPCR may have been mislabeled as “colon” instead of “ileum”; these data are presented in Fig. 8

The experiments were repeated under suitable conditions but the authors were unable to reproduce their findings. Consequently, there are doubts as to the validity of the results and conclusions presented in this article.

Luis Bermudez, Marion Lenoir, Naima Cortes-Perez, Daniel Lozano-Ojalvo, Philippe Langella and Florian Chain agree with this retraction. Jean Guy LeBlanc and Alejandra de Moreno de LeBlanc disagree with this retraction. Silvina del Carmen and Diego Munoz-Provencio did not respond to correspondence about this retraction.

The original article can be found online at <https://doi.org/10.1007/s00535-015-1158-9>.

✉ Jean Guy LeBlanc
leblanc@cerela.org.ar

✉ Luis G. Bermúdez-Humarán
luis.bermudez@jouy.inra.fr

¹ INRA, Commensal and Probiotics-Host Interactions Laboratory, UMR 1319 Micalis, 78350 Jouy-en-Josas, France

² AgroParisTech, UMR1319 Micalis, 78350 Jouy-en-Josas, France

³ Centro de Referencia Para Lactobacilos (CERELACONICET), T4000ILC San Miguel de Tucumán, Argentina

⁴ INRA, UR496 Unité d’Immuno-Allergie Alimentaire, Jouy-en-Josas, France

⁵ CEA, IBiTecS, Service de Pharmacologie et d’Immunoanalyse, Gif-sur-Yvette, France

⁶ Present Address: Instituto de Investigación en Ciencias de la Alimentación (CIAL, CSIC-UAM), Madrid, Spain

Reference

1. Lenoir M, del Carmen S, Cortes-Perez NG, et al. *Lactobacillus casei* BL23 regulates Treg and Th17 T-cell populations and reduces DMH-associated colorectal cancer. *J Gastroenterol.* 2016;51:862–73.

Publisher’s Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.