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Corrigendum: An Immunomodulatory Transcriptional Signature Associated With Persistent *Listeria* Infection in Hepatocytes

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Keywords: *Listeria monocytogenes*, liver, acute phase response, interferon, persistence, innate immunity, cholesterol, transcriptomics

A Corrigendum on

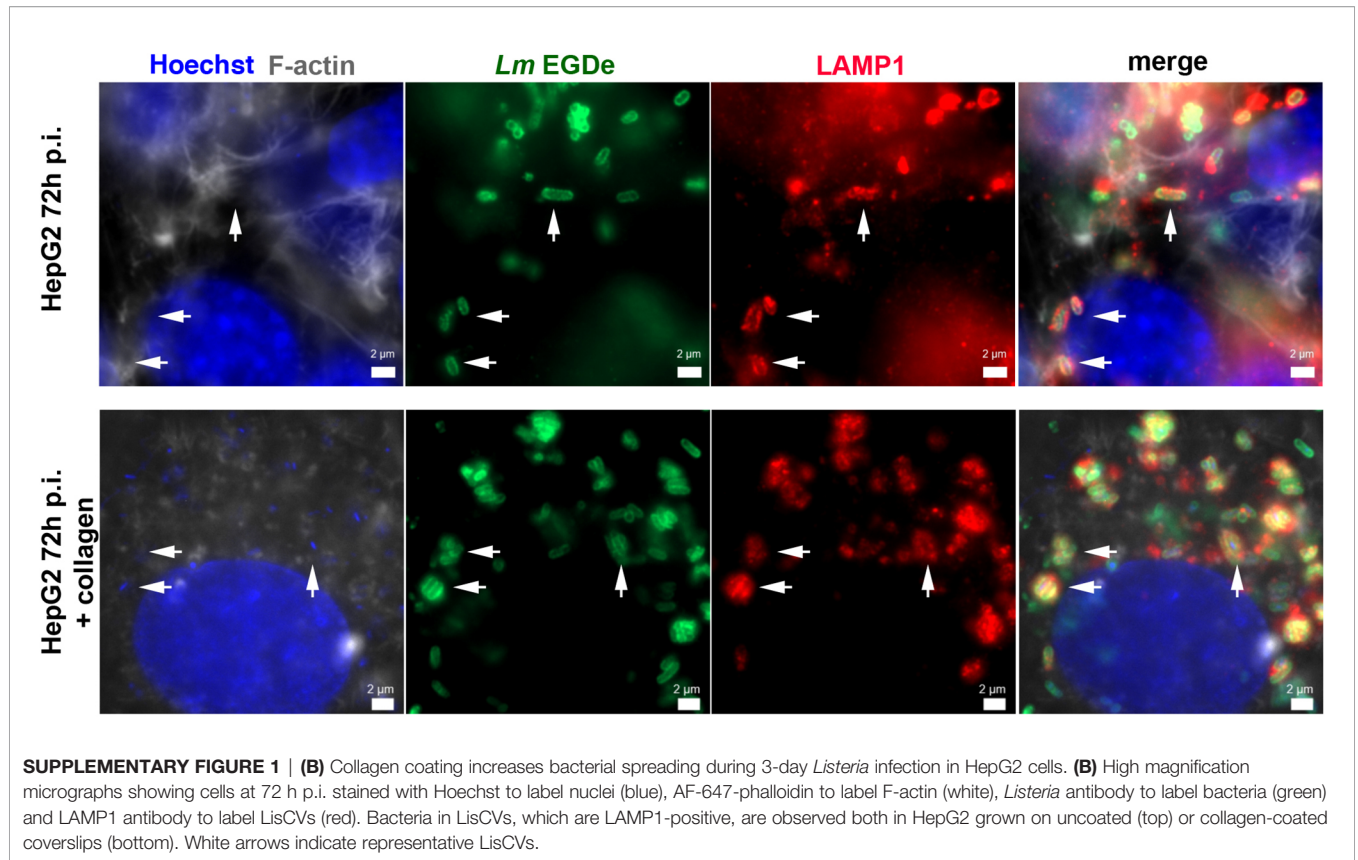
An Immunomodulatory Transcriptional Signature Associated With Persistent *Listeria* Infection in Hepatocytes

By Descoedres N, Jouneau L, Henry C, Gorrichon K, Derré-Bobillot A, Serror P, Gillespie LL, Archambaud C, Pagliuso A and Bierre H (2021) *Front. Cell. Infect. Microbiol.* 11:761945. doi: 10.3389/fcimb.2021.761945

In the original article, there was a mistake in **Supplementary Figure S1**, as published. **Supplementary Figure S1B** was mistakenly replaced by **Figure S2**, which appears thus duplicated, and the word “Hoetscht” was misspelled, the correct spelling of this word being “Hoechst”. The corrected **Supplementary Figure S1B** is shown below.

In addition, there was a mistake in **Figure 1** and **Supplementary S2**, as published. The word “Hoetscht” was misspelled. The correct spelling of this word is “Hoechst”. The corrected **Figure 1** and **Supplementary S2** are shown below.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.



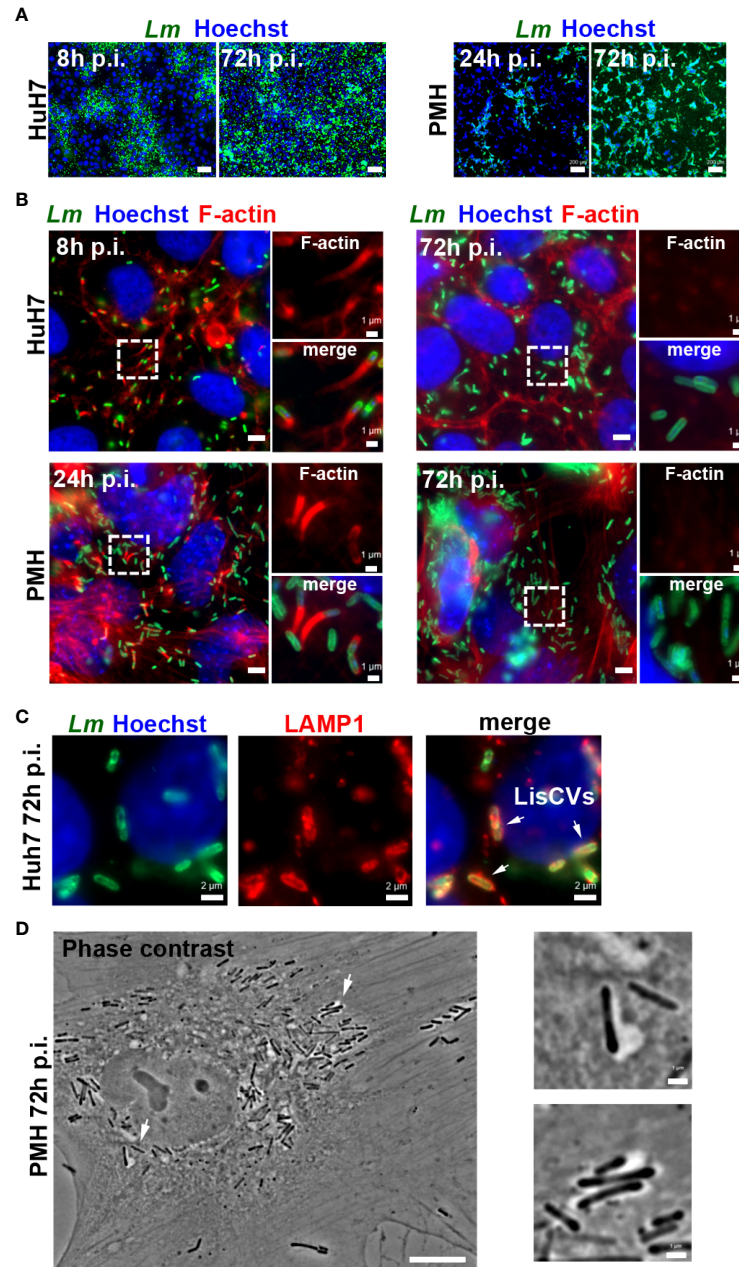
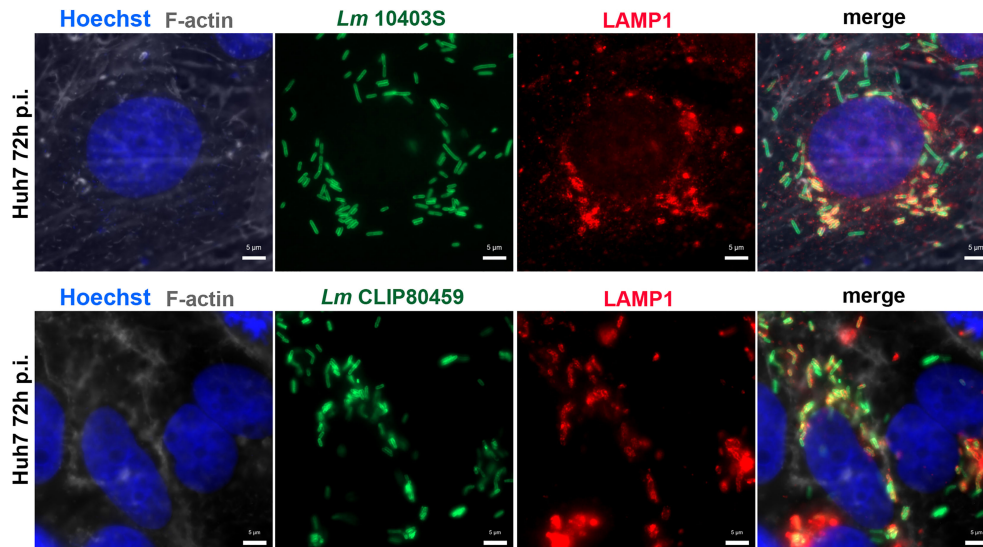


FIGURE 1 | Optimization of hepatocyte culture systems for modeling persistent *Listeria* infection. Different cell seeding conditions, MOI and *Listeria* strains (EGDe or 10403S) were tested to obtain optimal long-term *Listeria* infection of HepG2 (see **Supplementary Figure S1**), Huh7 or PMH. Infected cells were examined at day 1 (d1) and at day 3 (d3) by immunofluorescence microscopy: representative examples under optimized conditions are shown. **(A)** Low magnification micrographs of Huh7 cells infected with EGDe strain (MOI=1-5) or PMH infected with 10403S strain (MOI=10) for the indicated time. Images are overlays of *Listeria* (green) and Hoechst (blue) signals (bars: 50 μ m, Huh7, or 200 μ m, PMH). **(B)** High magnification micrographs of infected Huh7 or PMH showing *Listeria* (green), F-actin (red) and Hoechst (blue) signals. Bars: 5 μ m. Boxed regions enlarged on the right show F-actin (top) or merged signals (bottom), highlighting actin-positive bacteria at d1 and actin-negative bacteria at d3 (bars: 1 μ m). **(C)** Micrographs of an infected Huh7 cell at d3, showing *Listeria* (green), LAMP1 (red) and Hoechst (blue) signals. Arrows indicate 3 examples of LisCVs. **(D)** Phase contrast image of an infected PMH at d3 (bars: 10 μ m). Arrows indicate 2 examples of bacteria within vacuoles, shown at a higher magnification on the right (bars: 1 μ m).



SUPPLEMENTARY FIGURE 2 | Formation of LisCVs in Huh7 cells is strain-independent. Huh7 cells were infected with laboratory strain 10403S or clinical strain CLIP80459 for 72 h and examined by immunofluorescence microscopy. High magnification micrographs show cells stained with Hoechst to label nuclei (blue), AF-647-phalloidin to label F-actin (white), *Listeria* antibody to label bacteria (green) and LAMP1 antibody to label LisCVs (red). LAMP1-positive bacteria are observed with both strains. Bars: 5 μ m.

SUPPLEMENTARY MATERIAL

The Supplementary Material for this article can be found online at: <https://www.frontiersin.org/articles/10.3389/fcimb.2022.911320/full#supplementary-material>

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