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The Editor

Journal of Visualized Experiments

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Cambridge, MA 02140

U.S.A.

**Manuscript Submission to the Journal of Visualized Experiments**

October 23rd, 2015

Dear Editor

We are submitting the manuscript entitled “High-throughput microscopy-based RNA interference assays to study host factors involved in *Brucella* infection of HeLa cells” for your consideration as article in the *Journal of Visualized Experiments.*

In this study we describe two fluorescence microscopy-based phenotypic assays in high-throughput format that allow screening of host factors involved in epithelial cells infection by *Brucella* using RNA interference. These assays facilitating the identification of host factors involved in distinct steps of the intracellular lifestyle of this important zoonotic bacterial pathogen can be adapted by any laboratory studying *Brucella* infection that has access to fluorescence microscopy. JoVE’s unique multimedia format is ideally suited to instruct interested scientists in the involved laboratory procedures and image analysis routines.

Author contributions are as follows:

* Full list of authors: Alain Casanova (AC), Shyan Huey Low (SHL), Mario Emmenlauer (ME), Raquel Conde-Alvarez (RC), Suzana P. Salcedo (SS), Jean-Piere Gorvel (JPG) and Christoph Dehio (CD)
* AC, SHL, RC, SS: developed and performed experiments
* AC, SHL, RC, SS, JPG, CD: conceived experiments and analysis
* ME: developed image analysis pipeline
* AC, SHL, ME, CD: wrote manuscript

We suggest the following experts as peer reviewers of our communication:

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Thank you for your consideration of our communication. Please don’t hesitate to contact me if there are any further questions. Otherwise we are looking forward to hearing from you in due course regarding your editorial decision.

With best regards,



Prof. Christoph Dehio (Ph.D.)