RETRACTION



Open Access

Retraction: Molecular characterization of *Legionella pneumophila*-induced interleukin-8 expression in T cells

Reika Takamatsu¹, Hiromitsu Teruya^{1,2}, Eriko Takeshima^{1,2}, Chie Ishikawa^{1,3}, Kunihiro Matsumoto⁴, Naofumi Mukaida⁵, Jian-Dong Li⁶, Klaus Heuner⁷, Futoshi Higa², Jiro Fujita² and Naoki Mori^{1*}

Abstract

Article Retracted

Retraction

After lengthy investigation by the editors, the original article [1] has been retracted because of inappropriate duplication of images from previously published articles. The last author, Naoki Mori takes full responsibility and apologizes for any inconvenience caused.

Author details

¹Division of Molecular Virology and Oncology, Graduate School of Medicine, University of the Ryukyus, 207 Uehara, Nishihara, Okinawa 903-0215, Japan. ²Division of Control and Prevention of Infectious Diseases, Graduate School of Medicine, University of the Ryukyus, 207 Uehara, Nishihara, Okinawa 903-0215, Japan. ³Transdisciplinary Research Organization for Subtropics and Island Studies, University of the Ryukyus, 1 Senbaru, Nishihara, Okinawa 903-0215, Japan. ⁴Department of Molecular Biology, Graduate School of Science, Nagoya University, Chikusa-ku, Nagoya 464-8602, Japan. ⁵Division of Molecular Bioregulation, Cancer Research Institute, Kanazawa University, 13-1 Takara-machi, Kanazawa 920-0934, Japan. ⁶Department of Microbiology and Immunology, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, New York 14642, USA. ⁷Project group 26 "Nosocomial Infections of the Elderly", Robert Koch-Institut, 20 Nordufer, Berlin 13353, Germany.

Received: 27 January 2011 Accepted: 2 June 2011 Published: 2 June 2011

Reference

 Takamatsu R, Teruya H, Takeshima E, Ishikawa C, Matsumoto K, Mukaida N, Li J-D, Heuner K, Higa F, Fujita J, Mori N: Molecular characterization of Legionella pneumophila-induced interleukin-8 expression in T cells. BMC Microbiol 2010, 10:1.

doi:10.1186/1471-2180-11-127 Cite this article as: Takamatsu *et al.*: Retraction: Molecular

characterization of *Legionella pneumophila*-induced interleukin-8 expression in T cells. *BMC Microbiology* 2011 11:127.

* Correspondence: n-mori@med.u-ryukyu.ac.jp

¹Division of Molecular Virology and Oncology, Graduate School of Medicine, University of the Ryukyus, 207 Uehara, Nishihara, Okinawa 903-0215, Japan Full list of author information is available at the end of the article

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

) BioMed Central

Submit your manuscript at www.biomedcentral.com/submit



© 2011 Takamatsu et al; licensee BioMed Central Ltd. This is an Open Access article distributed under the terms of the Creative Commons Attribution License (http://creativecommons.org/licenses/by/2.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.