An investigation published by Osaka University on February 6 "revealed specific misconduct (fabrication and falsification) in research activities by our former faculty member."

Our reporting revealed the faculty member as Yukihiro Hiramatsu. The investigation report (PDF, in Japanese) found evidence of manipulated results in seven of the papers examined. The report did not name the scientists or cite the articles investigated, but it did include a figure or table with altered data from each paper. Comparing those figures with ones in Hiramatsu's publications, we identified the seven articles. Find our comparisons below.

Report: Paper 1

The figure included for Paper 1 matches figure 2 in "Expression of small RNAs of Bordetella pertussis colonizing murine tracheas," *Microbiology and Immunology*, March 30, 2020. https://onlinelibrary.wiley.com/doi/10.1111/1348-0421.12791

Report: Paper 2

The figure shown for Paper 2 matches figure 1E in "Melanin Produced by Bordetella parapertussis Confers a Survival Advantage to the Bacterium during Host Infection," *mSphere*, October 13, 2021. https://journals.asm.org/doi/10.1128/msphere.00819-21

Report: Paper 3

The figure shown in Paper 3 matches figure 3E in "The Mechanism of Pertussis Cough Revealed by the Mouse-Coughing Model," *mBio*, March 31, 2022. https://journals.asm.org/doi/10.1128/mbio.03197-21

Report: Paper 4

A figure shown for Paper 4 matches figure 1A in "Interference of flagellar rotation up-regulates the expression of small RNA contributing to Bordetella pertussis infection," *Science Advances*, December 21, 2022. https://www.science.org/doi/10.1126/sciadv.ade8971

Report: Paper 5

The table shown for Paper 5 matches Table S1 in "DAT (deacylating autotransporter toxin) from Bordetella parapertussis demyristoylates Gαi GTPases and contributes to cough," *PNAS*, September 25, 2023. https://www.pnas.org/doi/10.1073/pnas.2308260120

Report: Paper 6

The figure shown for Paper 6 matches Figure 2 in “Bordet-Gengou agar medium supplemented with albumin-containing biologics for cultivation of bordetellae,” *Microbiology and Immunology*, September 26, 2019. https://onlinelibrary.wiley.com/doi/10.1111/1348-0421.12742

Report: Paper 7

The figure shown for Paper 7 matches Figure 2a in “Identification of the minimum region of Bordetella pertussis Vag8 required for interaction with C1 inhibitor,” *Microbiology and Immunology*, May 12, 2020. https://onlinelibrary.wiley.com/doi/10.1111/1348-0421.12799