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Retraction: Methanol-induced conformation transition of gland fibroin monitored by FTIR spectroscopy and terahertz spectroscopy

Chao Yan,^a Bin Yang^{*a} and Zhicheng Yu^{ab}Retraction of 'Methanol-induced conformation transition of gland fibroin monitored by FTIR spectroscopy and terahertz spectroscopy' by Chao Yan *et al.*, *Analyst*, 2014, 139, 1967–1972.

We, the authors Chao Yan, Bin Yang and Zhicheng Yu, hereby wholly retract this *Analyst* article. The main content is on silk fibroin secondary structures characterized and analyzed by terahertz time domain spectroscopy. The three spectroscopic bands located at 1.84 THz, 1.68 THz, 1.55 THz are supposed to be related with random coil, α -helix, and antiparallel β -pleated sheet structures. However following further experiments these three characteristic peaks were not at the same positions and therefore the conclusions of the paper cannot be relied upon. We intend to make more tests to confirm our previous studies and we retract this paper in order to avoid misleading readers. We sincerely apologize for any inconvenience to *Analyst* and the readers.

Signed: Chao Yan, Bin Yang and Zhicheng Yu, Zhejiang Sci-Tech University, China, 17th September 2014.

This article is related to another paper in *Analytical Methods*¹ which has been retracted for the same reasons.

Retraction endorsed by Anna Simpson, Executive Editor, *Analyst*.

References

- 1 C. Yan, B. Yang and Z. Yu, *Anal. Methods*, 2014, 6, 248–252.

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