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## Correction: A narrow amide I vibrational band observed by sum frequency generation spectroscopy reveals highly ordered structures of a biofilm protein at the air/water interface

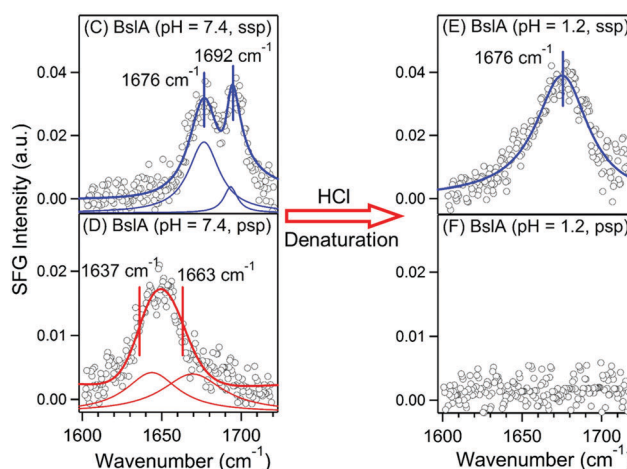
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Correction for 'A narrow amide I vibrational band observed by sum frequency generation spectroscopy reveals highly ordered structures of a biofilm protein at the air/water interface' by Zhuguang Wang *et al.*, *Chem. Commun.*, 2016, **52**, 2956–2959.

In follow-up studies by the authors, it was found that due to an inaccuracy in calibration of spectrometer, there should be a blue-shift of  $7\text{ cm}^{-1}$  in the peak positions of the SFG spectra published in this article. The new peak positions allowed more straightforward spectral assignments of the reported SFG spectra based on the standard amide I frequencies of various protein secondary structures.<sup>1,2</sup> The chiral SFG spectrum of BslA at pH = 7.4 (Fig. 1D) is now assigned to antiparallel  $\beta$ -sheet  $B_2$  mode ( $1637\text{ cm}^{-1}$ ) and  $\beta$ -turn ( $1663\text{ cm}^{-1}$ ). The peak assignments in the achiral spectra (Fig. 1C and E) remain unchanged:  $\beta$ -turn ( $1676\text{ cm}^{-1}$ ) and antiparallel  $\beta$ -sheet  $B_1$  mode ( $1692\text{ cm}^{-1}$ ). The recalibrated spectra (Fig. 1C–F) and fitting parameters are provided below. The conclusion of the studies reported in the article remains unaffected.



**Fig. 1** (C) Achiral (ssp) and (D) chiral (psp) SFG spectra of BslA at the air/water interface at pH 7.4 with a concentration of  $6\text{ }\mu\text{M}$ . (E) Achiral (ssp) and (F) chiral (psp) SFG spectra of BslA at pH 1.2 with a bulk concentration of  $6\text{ }\mu\text{M}$ .

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Table 1 Fitting parameters of achiral and chiral SFG spectra for BslA

Parameters	Amide I (achiral-ssp) Fig. 1C (pH 7.4)		
	$\chi_{NR}$ (a.u.)		$0.020 \pm 0.005$
$\omega$ ( $\text{cm}^{-1}$ )	$1675.5 \pm 0.7$		$1692.3 \pm 0.4$
$A$ (a.u.)	$1.99 \pm 0.24$		$0.53 \pm 0.16$
$\Gamma$ (a.u.)	$11.75 \pm 1.29$		$5.25 \pm 1.09$
Parameters	Amide I (chiral-ssp) Fig. 1D (pH 7.4)		Amide I (achiral-ssp) Fig. 1E (pH 1.2)
	$\chi_{NR}$ (a.u.)	$0.056 \pm 0.004$	
$\omega$ ( $\text{cm}^{-1}$ )	$1636.8 \pm 2.8$	$1662.5 \pm 3.9$	$1675.6 \pm 0.8$
$A$ (a.u.)	$1.71 \pm 0.87$	$-1.97 \pm 0.87$	$3.97 \pm 0.10$
$\Gamma$ (a.u.)	$19.92 \pm 4.78$	$23.35 \pm 4.79$	$20.15 \pm 0.62$

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

## References

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