## Erratum: Recent advances in the development of ultrafast electronic circular dichroism for probing the conformational dynamics of biomolecules in solution

Pascale Changenet\* and François Hache

Laboratoire d'Optique et Biosciences, CNRS, INSERM, Ecole Polytechnique, Institut Polytechnique de Paris, 91128 Palaiseau, France

We wish to correct a few errors in our paper "Recent advances in the development of ultrafast electronic circular dichroism for probing the conformational dynamics of biomolecules in solution".

In. Eq. (2), a typo occurred; it should read as:

$$ORD = 2\pi \cdot (n_L - n_R) \cdot l/\lambda \tag{2}$$

with  $\lambda$ , the wavelength and  $(n_L-n_R)$ , the difference of the refractive index associated with right and left-circularly polarized light.

In eq. (11), CD corresponds to a differential absorption expressed in mOD.

In eq. (15) and (16), a typo occurred. The square of E<sub>0</sub> should appear. The correct equations read as:

$$I_{x}^{\text{out}} = \left| E_{x}^{\text{out}} \right|^{2} = \frac{1}{2} E_{0}^{2} e^{-\alpha L} \left( 1 + \frac{\text{CD*}}{2} + \frac{\text{CD*}^{2}}{16} - \frac{\text{ORD}^{2}}{4} \right)$$
 (15)

$$I_y^{\text{out}} = \left| E_x^{\text{out}} \right|^2 = \frac{1}{2} E_0^2 e^{-\alpha L} \left( 1 - \frac{\text{CD*}}{2} + \frac{\text{CD*}^2}{16} - \frac{\text{ORD}^2}{4} \right)$$
 (16)

In eq. (17), a factor 2 is missing. The correct expression read as:

$$S_0 = 2 \frac{\left(I_x^{\text{out}} - I_y^{\text{out}}\right)}{\left(I_x^{\text{out}} + I_y^{\text{out}}\right)} = \ln(10) \cdot \text{CD}$$

$$\tag{17}$$

Theses corrections do not affect the remainder of the paper.