Erratum to: PDMS-film coated on PCB for AC impedance sensing of biological cells

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The above authors want to cite the paper of (Emaminejad et al. 2012) again right before equation (2) and (3). The corrected section is shown below:

ΔR , of the microchannel results in a modulation of the alternating electric current, ΔI , which can be expressed as (Emaminejad et al. 2012)

$$\frac{\Delta I}{\Delta R} \approx \frac{dI}{dR} = \frac{dI}{dZ} \cdot \frac{dZ}{dR} = -\frac{1}{R^2} \cdot \left(\frac{j\omega}{j\omega + \frac{2}{RC_s}} \right)^2 \cdot V_{in} \quad (2)$$

$$|\Delta I| \approx \frac{\Delta R}{R^2} \cdot \left[\frac{\omega^2}{\omega^2 + \left(\frac{2}{RC_s} \right)^2} \right] \cdot V_{in} \quad (3)$$

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