

**Automated sub-5nm image registration in integrated correlative fluorescence and electron microscopy using cathodoluminescence pointers.**

**- Supplemental Information**

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**Supplemental Figure 1 | Further example application of CL pointer application to Figure 4. (a)**

Fluorescence image of thin section of rat pancreas with post-embedding immunolabeling for insulin (Alexa594, orange) as in Figure 4(a). Dashed boxed area indicates the region of interest selected for SEM with shown in Figure 4, solid boxed areas indicate regions of interest with data shown in panels **(b)**: magnified view of fluorescence, **(c)**: scanning electron microscopy, and **(d)**: automated overlay of fluorescence and scanning electron microscopy data.

