TiO$_2$-coated luminescent porous silicon micro-particles as a promising system for NanoMedicine

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Table S1. Lifetime of pSi-COOH microparticles (Ref sample) and pSi-TiO$_2$ microparticles (B1 and B2 samples) by excitation at 350 nm and emission at $\lambda_{\text{max}}$ of the emission spectrum. The values are determined from data reported in Figure S1 by a stretched exponential curve $I = I_0 e^{-\left(\frac{t}{\tau}\right)^\beta}$, where $\tau$ is the lifetime and $\beta$ is the stretched parameter.

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Figure S5. ELISA analysis of TNF-α (a), IL-12 (b) and IL-6 (c) secretion by human DCs incubated with the indicated concentrations pSi-COOH microparticles (sample Ref) as well as with 100 ng/ml LPS alone or in combination with microparticles. The results are expressed as the mean value and standard deviation of three independent experiments.
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<table>
<thead>
<tr>
<th>Sample</th>
<th>Lifetime (µs)</th>
<th>$\beta$</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1 (pSi-TiO$_2$)</td>
<td>20±3</td>
<td>0.74</td>
</tr>
<tr>
<td>B2 (pSi-TiO$_2$)</td>
<td>25±2</td>
<td>0.83</td>
</tr>
<tr>
<td>Ref (pSi-COOH)</td>
<td>26±2</td>
<td>0.88</td>
</tr>
</tbody>
</table>

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