

## Biological Characterization of Surface-treated Dental Implant Materials in Contact with Mammalian Host and Bacterial Cells: Titanium versus Zirconia

Danyal A. Siddiqui<sup>a</sup>, Joel J. Jacob<sup>b</sup>, Alikhan Fidai<sup>a</sup>, Danieli C. Rodrigues<sup>a\*</sup>

<sup>a</sup> Department of Bioengineering, The University of Texas at Dallas, 800 W. Campbell Road, Richardson, TX, USA 75080

<sup>b</sup> Department of Biological Sciences, The University of Texas at Dallas, 800 W. Campbell Road, Richardson, TX, USA 75080

\*Corresponding Author: [danieli@utdallas.edu](mailto:danieli@utdallas.edu)

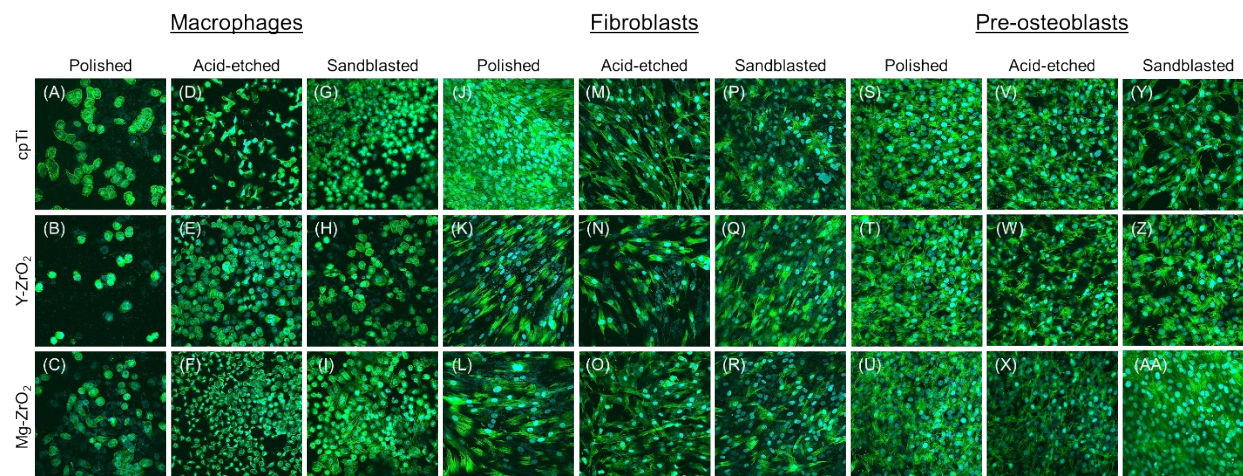


Figure S1. Confocal images of human macrophages, human gingival fibroblasts (HGF-1), and murine pre-osteoblasts (MC3T3-E1) on polished, acid-etched, and sandblasted cpTi, Y-ZrO<sub>2</sub>, and Mg-ZrO<sub>2</sub> after 3 days of growth.

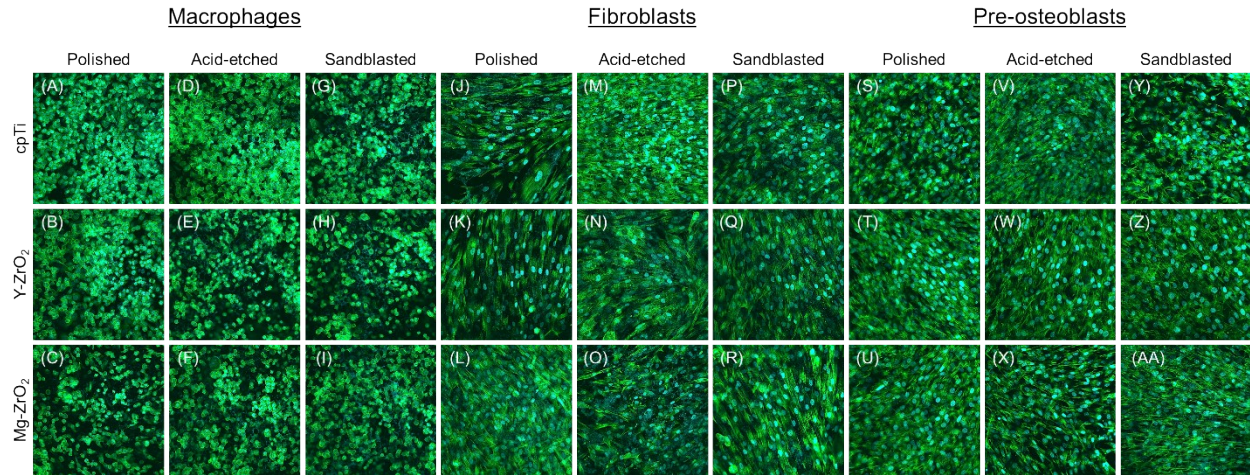


Figure S2. Confocal images of human macrophages, human gingival fibroblasts (HGF-1), and murine pre-osteoblasts (MC3T3-E1) on polished, acid-etched, and sandblasted cpTi, Y-ZrO<sub>2</sub>, and Mg-ZrO<sub>2</sub> after 7 days of growth.