

## Rare Earth Oxides as Nanoadditives in Novel 3-D Nanocomposite Scaffolds for Bone Regeneration

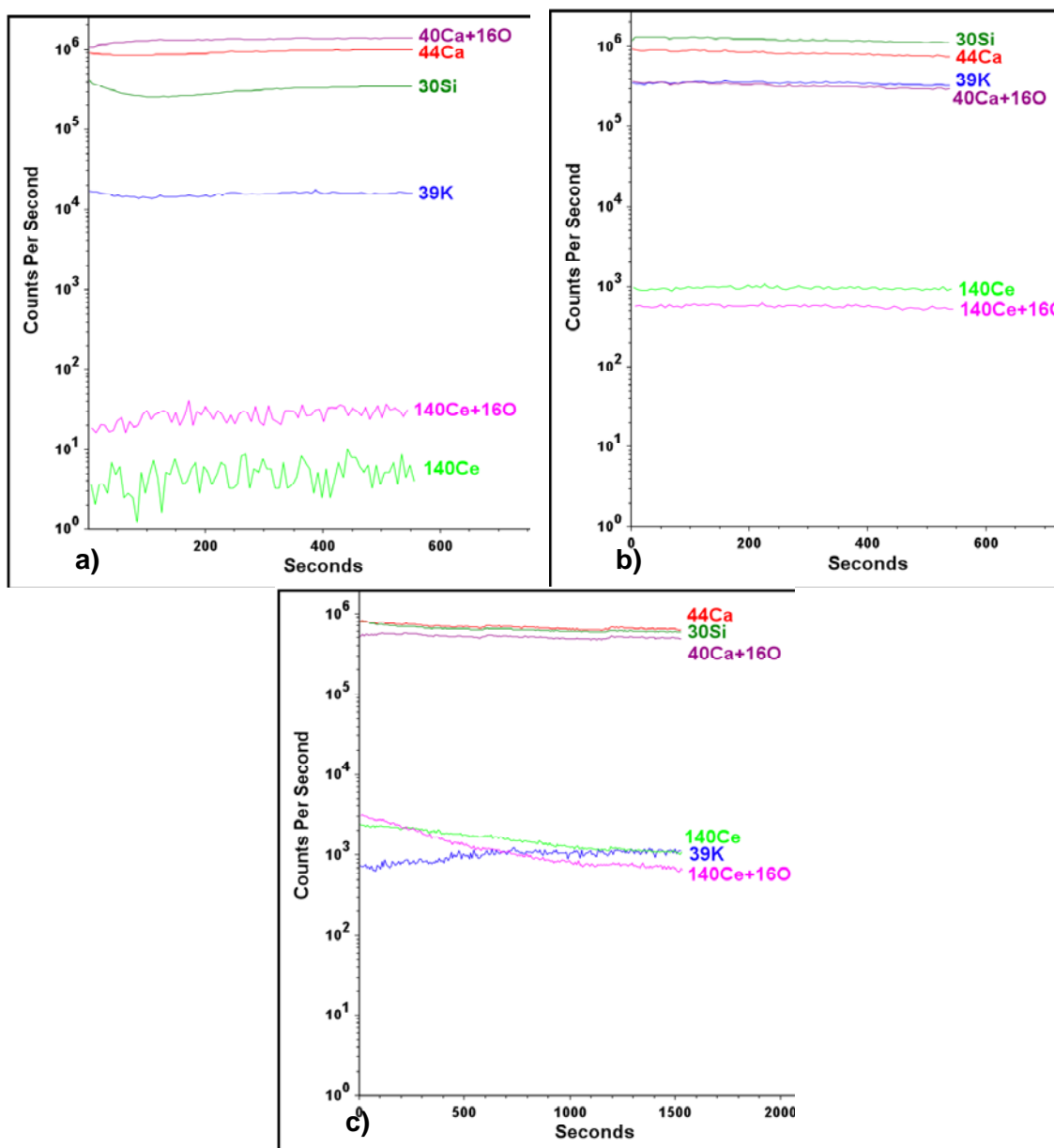
Ajay S. Karakoti<sup>1,#</sup>, Olga Tsigkou<sup>3,#</sup>, Sheng Yue<sup>3</sup>, Julian R. Jones<sup>3,\*</sup> and Sudipta Seal<sup>1,2,\*</sup>

<sup>1</sup> Advanced Materials Processing and Analysis Centre, University of Central Florida, Orlando FL – 32816, USA

<sup>2</sup> Nanoscience and Technology Centre, University of Central Florida, Orlando FL – 32816, USA

<sup>3</sup> Department of Materials, Imperial College, London SW72AZ, UK

### Supporting Information



Supporting Information – I: SIMS profile of samples depicting the presence and distribution of cerium in a) Control scaffold (no cerium) b) Scaffold containing nanoceria synthesized in water c) Scaffold containing nanoceria synthesized in dextran (base)