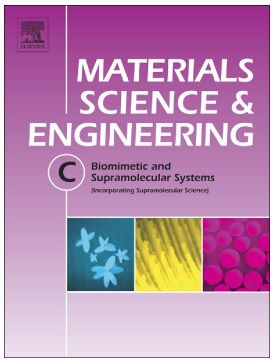

Biodegradable nanostructures: Degradation process and biocompatibility of iron oxide nanostructured arrays

Yuyun Yang, Juncen Zhou, Rainer Detsch, Nicola Taccardi, Svenja Heise, Sannakaisa Virtanen, Aldo R. Boccaccini

PII: S0928-4931(17)31190-6
DOI: https://doi.org/10.1016/j.msec.2017.12.021
Reference: MSC 8367

To appear in: *Materials Science & Engineering C*

Received date: 31 March 2017
Revised date: 11 October 2017
Accepted date: 19 December 2017

Please cite this article as: Yuyun Yang, Juncen Zhou, Rainer Detsch, Nicola Taccardi, Svenja Heise, Sannakaisa Virtanen, Aldo R. Boccaccini , Biodegradable nanostructures: Degradation process and biocompatibility of iron oxide nanostructured arrays. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Msc(2017), https://doi.org/10.1016/j.msec.2017.12.021

Biodegradable nanostructures: degradation process and biocompatibility of iron oxide nanostructured arrays

Yuyun Yang[abł], Juncen Zhou[bł], Rainer Detsch[a], NicolaTaccardi[c], Svenja Heise[a], Sannakaisa Virtanen[*b], and Aldo R. Boccaccini[*a]

a Institute of Biomaterials, Department of Materials Science and Engineering, University of Erlangen-Nuremberg, Cauerstraße 6, 91058 Erlangen, Germany

b Institute for Surface Science and Corrosion, Department of Materials Science and Engineering, University of Erlangen-Nuremberg, Martensstraße 7, D-91058 Erlangen, Germany

c Institute of Chemical Reaction Engineering, University of Erlangen-Nuremberg, Egerlandstr. 3, D-91058 Erlangen, Germany

ł Authors contributed equally to this work.

Corresponding Authors

[*]**E-mail:** sannkaisa.virtanen@fau.de

aldo.boccaccini@fau.de

Keywords: Degradation; Nanostructures; Biocompatibility; Iron