



CENTRO INTERDIPARTIMENTALE
"GIOVANNI SCANSETTI"

PER LO STUDIO DEGLI AMIANTI E
DI ALTRI PARTICOLATI NOCIVI



AVVISO di SEMINARIO

14 Ottobre 2016

Dipartimento di Chimica, Via Pietro Giuria, 9, Torino
Sala di Rappresentanza (V piano)

ore 14.30

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REACTIVE OXYGEN SPECIES: THE HIDDEN FACE OF BIODEGRADABLE FE-BASED ALLOYS?

In the last decade, bioresorbable Fe-based alloys have been proposed as candidate materials for manufacturing coronary stents, in view of their good mechanical properties and assumed biocompatibility. Previous investigations on the biocompatibility of metallic materials often overlooked the complexity of the biodegradation phenomenon and mostly focused on soluble ionic metallic forms released from the biocorrosion process for biological testing. In this work we will investigate the possible implication of reactive oxygen species (ROS) accompanying biocorrosion, and their potential role as a source of toxicity in a diseased tissue already submitted to oxidative stress.

Il Direttore del Dip. Chimica
Prof. Marco Vincenti

Il Direttore del Centro "G. Scansetti"
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