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Scientific Research

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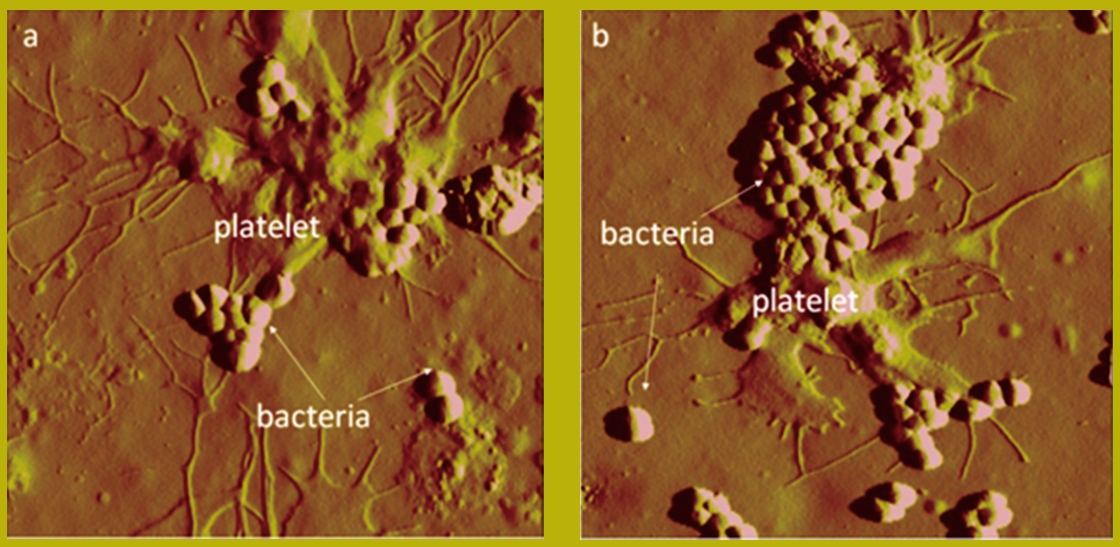

Aggregates of bacteria-platelets in the presence of Fn showing platelet (a) adherent or (b) entrapped with bacteria. (Image size: 20 μm×20 μm)

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9 772158 702006 24

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TABLE OF CONTENTS

Volume 3 Special Issue October 2012

The figure on the front cover is from the article published in Journal of Biomaterials and Nanobiotechnology, 2012, Vol. 3, No. 4A, pp. 487-498 by Li-Chong Xu and Christopher A. Siedlecki.

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- Nanoparticles (fullerenes, carbon nanotubes, silica based nanoparticles…) as biomarkers and fluorescents tags for cell detection, imaging and drug delivery systems
- Nanocrystals and bio-crystallization processes
- Self-assembly of biological molecules
- Bio-induced nanopatterning, arrays of biological molecules, bioships
- Biomimetics and bio-inspired materials
- Nanocapsules
- Bio-encapsulation, bio-adsorption, controlled release of biomolecules (drugs, proteins, etc.), nutraceuticals
- Nanostructured materials: micro- and nanofluidics
- Photo-induced species and structure conformations of biomolecules in biomaterials
- Bio-MEMS
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TABLE OF CONTENTS

Volume 3 Number 4A **October 2012**

