

Accepted Manuscript

Title: Studies on the Interaction of Polylactid-Based Planar and Nanoparticular Biomaterials with Serum Albumin and Fibrinogen

Authors: Katharina Wulf, Ulrike Tschierschky, Thomas Eickner, Niels Grabow, Ralf G. Mundkowski



PII: S0927-7765(17)30414-9
DOI: <http://dx.doi.org/doi:10.1016/j.colsurfb.2017.07.002>
Reference: COLSUB 8665

To appear in: *Colloids and Surfaces B: Biointerfaces*

Received date: 20-3-2017
Revised date: 30-6-2017
Accepted date: 1-7-2017

Please cite this article as: Katharina Wulf, Ulrike Tschierschky, Thomas Eickner, Niels Grabow, Ralf G. Mundkowski, Studies on the Interaction of Polylactid-Based Planar and Nanoparticular Biomaterials with Serum Albumin and Fibrinogen, Colloids and Surfaces B: Biointerfaces <http://dx.doi.org/10.1016/j.colsurfb.2017.07.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Studies on the Interaction of Polylactid-Based Planar and Nanoparticular Biomaterials with Serum Albumin and Fibrinogen

Katharina Wulf¹, Ulrike Tschierschky², Thomas Eickner¹, Niels Grabow¹, Ralf G. Mundkowski^{2#}

¹Institute for Biomedical Engineering, Rostock University Medical Center, Germany

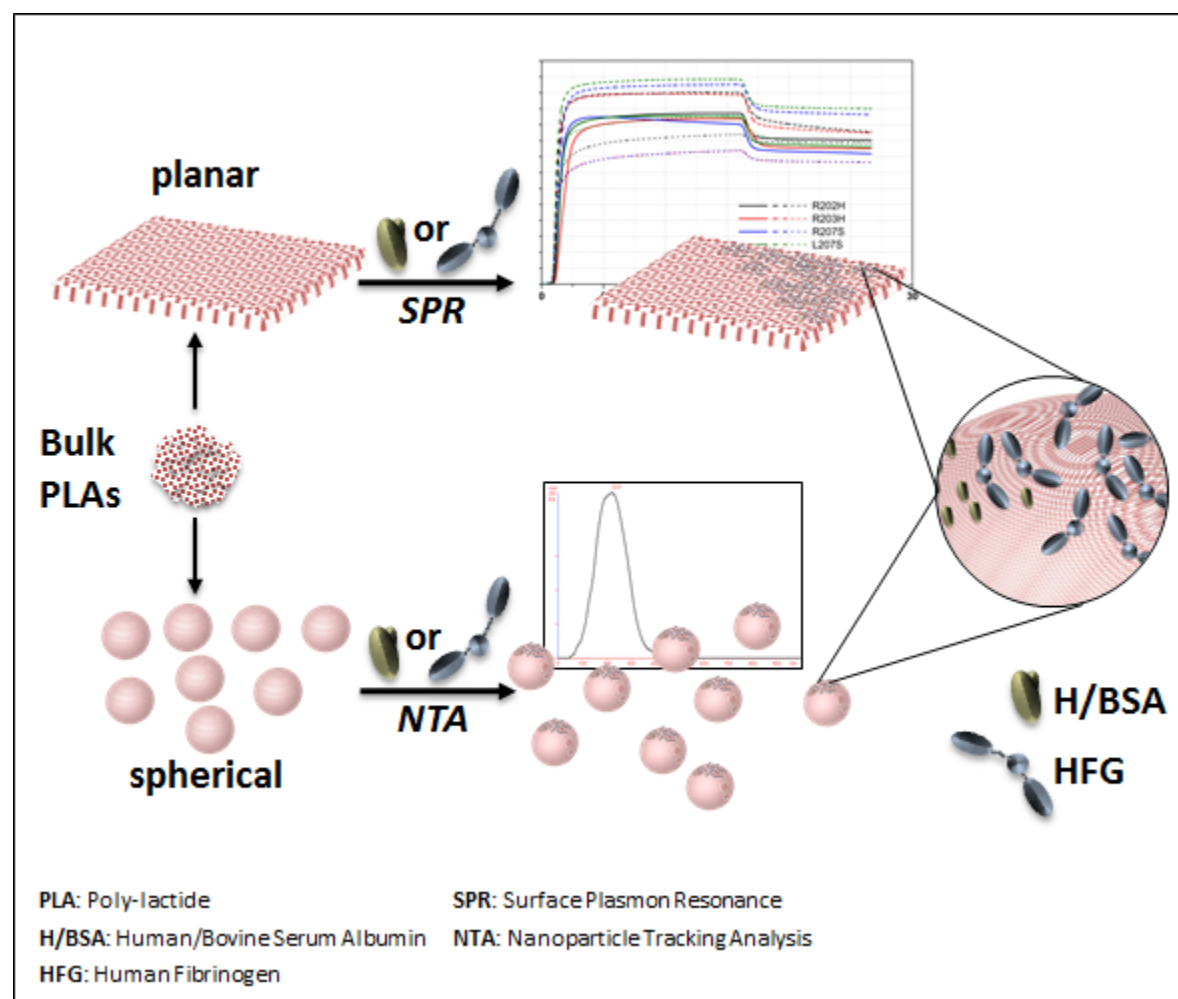
²Institute of Clinical Pharmacology, Rostock University Medical Center, Germany

[#]To whom correspondence should be addressed; ralf.mundkowski@med.uni-rostock.de

Highlights Layer formation occurs rapidly and is ruled mainly by the number of binding sites.

Graphical abstract

Studies on Protein Adsorption on Planar and Nanoparticular Spherical Surfaces Using Plasmon Resonance and Tracking Analysis as Complementary Techniques



<InlinelImage1>

- Affinity to PLA resomers follows the order HSA > HFG > BSA.
- Initially adsorbed HSA passivates the surface but is exchanged over time by HFG.

Download English Version:

<https://daneshyari.com/en/article/4982908>

Download Persian Version:

<https://daneshyari.com/article/4982908>

[Daneshyari.com](https://daneshyari.com)