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Adhesion of Human Monocytes to Oxygen- and Nitrogen- containing Plasma Polymers: Effect of Surface Chemistry and Protein Adsorption

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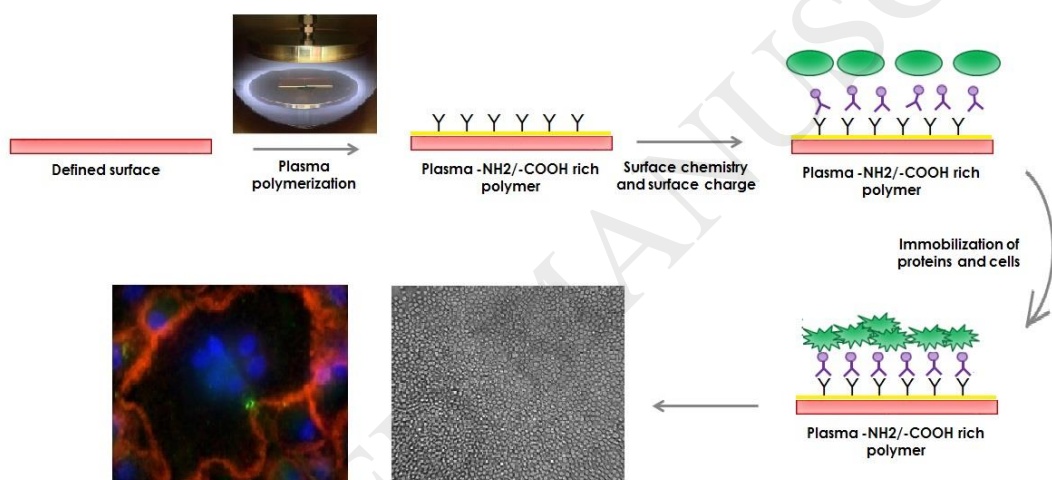
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Graphical Abstract



Highlights

- The possible mechanisms in monocyte adhesion to plasma polymers are investigated.
- Surface chemistry controls the U937, NB4 and monocyte adhesion to plasma polymers.
- Culture medium does not affect the results of plasma coated surfaces.
- The presence of albumin on surfaces appears to act as an indicator for cell adhesion.

Abstract

The interactions between monocytes and biomaterials can potentially be modulated by controlling the chemical and structural surface properties of biomaterials. The objective of this study was to determine

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