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Stellingen

Behorend bij het proefschrift

Self-assembling nanofiber hydrogels to attenuate epithelial mesenchymal transition in lens epithelial cells

Raquel Sofia da Cruz Barros

4th April 2018

1. Epithelial-Mesenchymal Transition (EMT) is essential for the development of fibrosis in the eye lens. *This thesis*
2. Bioactivation of hydrogels by incorporating adhesive peptides changes cell metabolism and phenotype. *This thesis*
3. Small variations in the ratio of peptides can generate significant morphological cell alterations. *This thesis*
4. The lens epithelial cell monolayer is extremely sensible to environmental changes. *This thesis*
5. Eye lens is a suitable model to study EMT. *This thesis*
6. Basic staining techniques are useful to detect damage in the cornea of the eye. *This thesis*
7. Cameras and microscopes operate similarly to the eye lens.
8. A good scientist has a relevant theoretical knowledge, a lot of creativity and is an endlessly curious kid.
9. "A minute's success pays the failure of years." *Robert Browning*
10. "I think we are blind. Blind people who can see, but do not see." *José Saramago*