

Propositions associated with the dissertation

Towards in situ bone tissue engineering
An injectable system for protein delivery

1. An “Off the shelf” product for bone repair will not succeed if key processes involved in bone formation are imbalanced or inhibited. *This thesis.*
2. SLG alginate with collagen-based microspheres loaded with BMP-2 supports ectopic bone formation but it is not ideal for bone defect repair. *This thesis.*
3. Scaffolds used as a delivery vehicle should be tailored according to specific needs, since a suboptimal choice will lead to a less effective bone formation process. *This thesis.*
4. Controlled-release systems, sustained-release systems and slow-release systems are not synonyms and they are not interchangeable. *This thesis.*
5. It is tricky to choose between donor variation in primary cells and possible abnormalities in immortalized cell lines. *This thesis.*
6. “Skeletons are misunderstood. Because of their resistance to decay, bones have become symbols of death; yet, they are intensely alive tissues”. *Thibaut Brunet and Detlev Arendt; Current Biology, 2016; 26(14):R685-8.*
7. Animal experimentation is one of the most unpleasant tasks in science.
8. “Human beings are good at many things, but thinking about our species as a whole is not one of our strong points.” *Sir David Attenborough; How Many People Can Live on Planet Earth? BBC Horizon.*
9. The majority of publications are neither appreciated by the peers nor they are of any importance to industry or the patient. *Adapted from Seema Rawat and Sanjay Meena; J Res Med Sci. 2014 Feb; 19(2): 87-89.*
10. Gender inequality is the most persistent type of inequality. *UN Development Programme Report, 2013.*
11. Living abroad is a life-changing experience. It is, however, not always easy as you cannot look someone in the eye through a screen.

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