

Bone regeneration

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Propositions

Bone regeneration: exploring a plethora of approaches

1.

Autologous bone graft never fails to regenerate bone: WRONG.
(Chapter 2)

2.

Collagen production is the first step in the construction of almost all tissues, including bone.
(Chapter 3)

3.

The surface micro/nano-topography of a material can have a great influence on the outcome of its bone-regenerating potential.
(Chapter 5)

4.

Bone morphogenetic protein-2 is NOT exclusively related to bone biology.
(Chapter 6)

5.

Translational medicine CANNOT work if there is no basic science to be translated.

6.

Clinical gene editing is a proof of concept for evolution WITHOUT natural selection.

7.

If biomedical science is to thrive, artificial intelligent MUST take over the increasingly brainpower-demanding job of the human scientists.

8.

Collagen type X, produced by *in vitro* culturing cell line such as ATDC5, is a promising bone graft substitute material.
(Valorization)