

### **Biomimetic design of implants for long bone critical-sized defects**

**Rezapourianghahfarokhi, Mansoureh; Kamboj, Nikhil Kumar;** Jasiuk, Iwona; **Hussainova, Irina** Journal of the mechanical behavior of biomedical materials 2022 / art. 105370 <https://doi.org/10.1016/j.jmbbm.2022.105370> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Biomimicry and novel structures : advancing the design paradigm of bone implants = Biomimikri ja uudsed struktuurid : luuimplantaatide disainiparadigma edendamine**

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### **Optimal mechanical properties of Hydroxyapatite gradient Voronoi porous scaffolds for bone applications — a numerical study**

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### **Origins of bone repair in the armour of fossil fish: Response to a deep wound by cells depositing dentine instead of dermal bone**

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