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## Evaluation of two different low cell densities for the production of 3D-bioprinted cartilage substitute

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Océane Messaoudi, Christel Henrionnet, Lea Pourchet, Pierre Gillet, Damien Loeuille, et al.. Evaluation of two different low cell densities for the production of 3D-bioprinted cartilage substitute. Journée de l'Ecole doctorale BIOSE, Nov 2020, Vandoeuvre-lès-Nancy, France. hal-03908406

**HAL Id: hal-03908406**

**<https://hal.science/hal-03908406>**

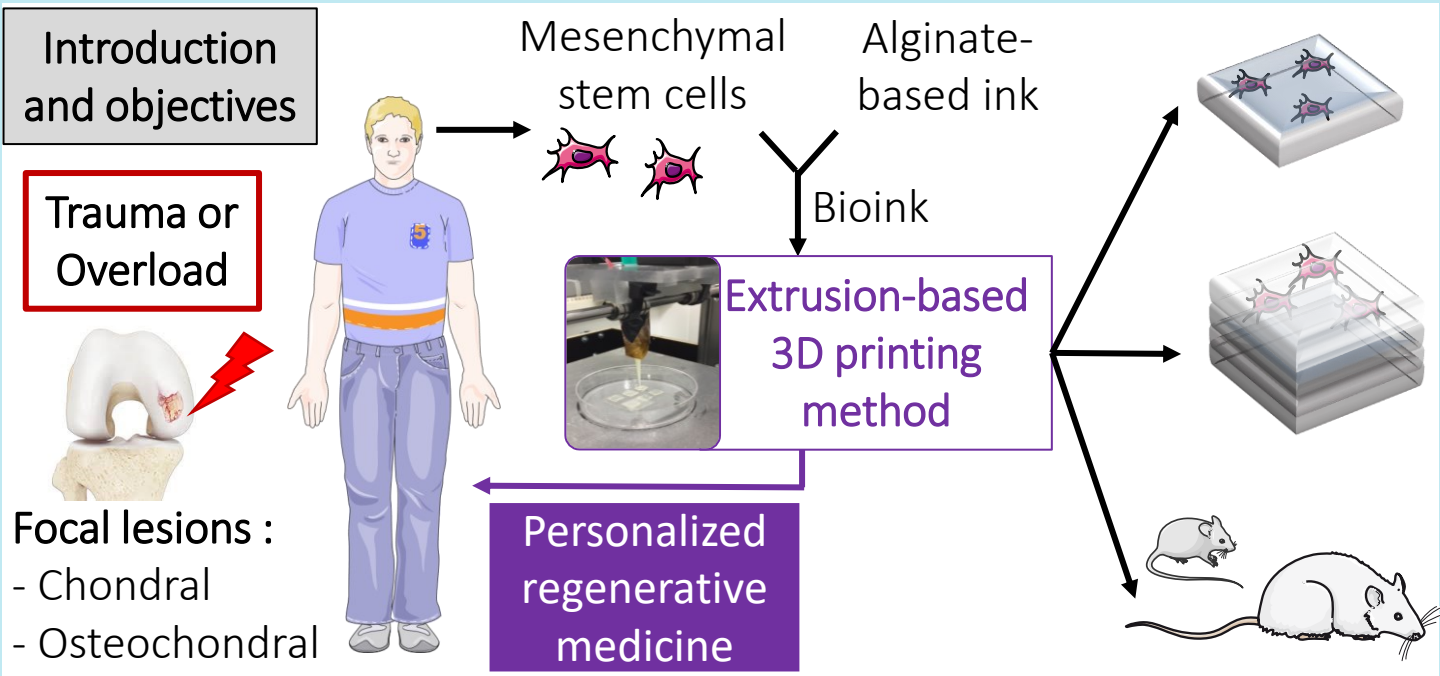
Submitted on 20 Dec 2022

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# Evaluation of two different low cell densities for the production of 3D-bioprinted cartilage substitute

Océane MESSAOUDI, C. HENRIONNET, L. POURCHET, P. GILLET, D. LOEUILLE, D. MAINARD, C. MARQUETTE, A. PINZANO

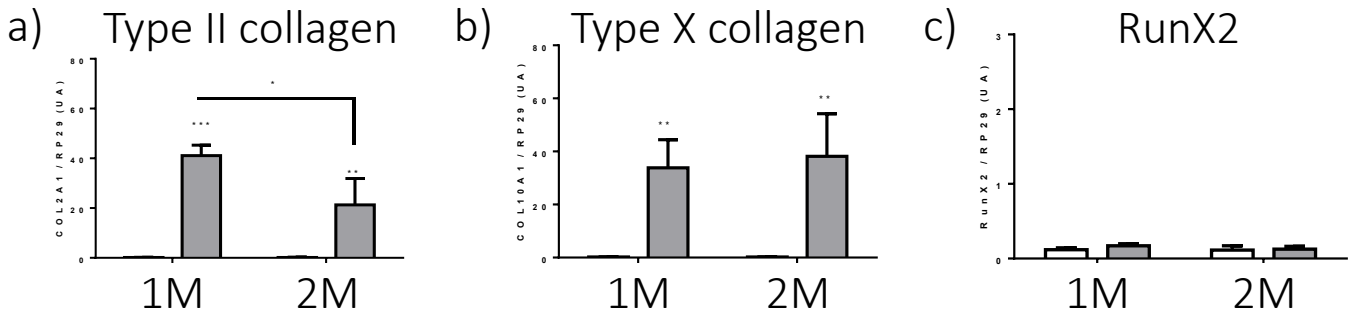


## Results

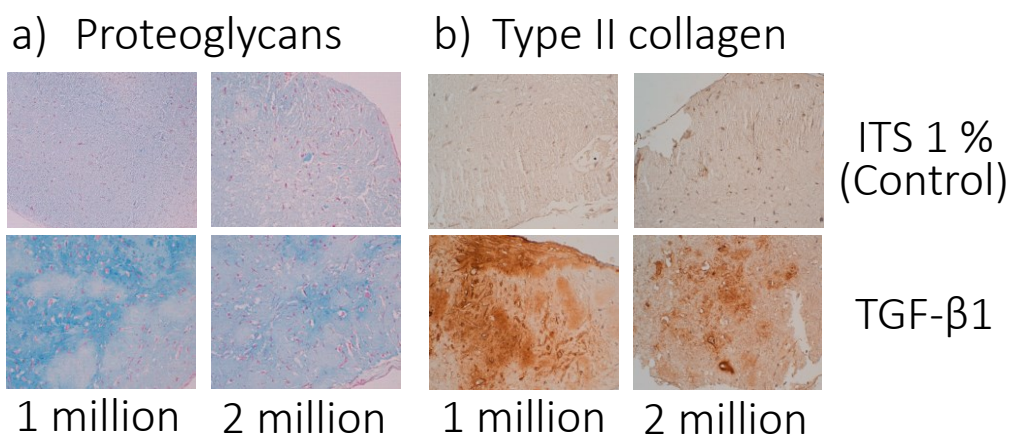
### Optimization of cell density and evaluation of MSCs chondrogenesis

Densities : 1M vs 2M

#### 1. Gene expressions of (a) chondrogenic, (b) hypertrophic and (c) osteogenic markers



#### 2. (a) Histologic and (b) immunohistologic analyses of ECM synthesis



### Conclusion

1M cells/mL