

VU Research Portal

Development of Functional Scaffolds for Bone Tissue Engineering using 3Dbioprinting of Cells and Biomaterials Zamani, Y.

UNIVERSITEIT AMSTERDAM

2020

document version Publisher's PDF, also known as Version of record

Link to publication in VU Research Portal

citation for published version (APA)

Zamani, Y. (2020). Development of Functional Scaffolds for Bone Tissue Engineering using 3D-bioprinting of Cells and Biomaterials.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
 You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address: vuresearchportal.ub@vu.nl



Faculty of New Sciences and Technologies

ACTA

University of Tehran Faculty of New Sciences and Technologies



Vrije Universiteit Amsterdam Academic Centre for Dentistry Amsterdam Amsterdam Movement Sciences



Development of Functional Scaffolds for Bone Tissue Engineering Using 3D-Bioprinting of Cells and Biomaterials

Yasaman Zamani

Under supervision of:

Co-supervisors:

Prof.dr. Jenneke Klein Nulend Prof.dr. Ghassem Amoabediny Dr. Behrouz Zandieh Doulabi Dr. Marco N. Helder



دانشگاه تهران دانشکده علوم و فنون نوین





دانشگاه Vrije آمستردام مرکز آکادمیک دندانپزشکی آمستردام علوم حرکتی آمستردام



چاپ زیستی سه بعدی داربست بافت استخوان حاوی ماکرو و میکرو کانال های مهندسی شده جهت ضایعات استخوانی بزرگ

یاسمن زمانی

اساتید راهنما: دکتر قاسم عموعابدینی دکتر ینکه کلین نولند اساتید مشاور: دکتر بهروز زندیه دولابی دکتر مارکو هلدر

Amsterdam Movement Sciences



Amsterdam Movement Sciences conducts scientific research to optimize physical performance in health and disease based on a fundamental understanding of numan movement in order to contribute to the fulfillment of a meaningful life.