

## Accepted Manuscript

Enabling personalized implant and controllable biosystem development through 3D printing

Neerajha Nagarajan, Agnes Dupret-Bories, Erdem Karabulut, Pinar Zorlutuna, Nihal Engin Vrana



PII: S0734-9750(18)30020-X  
DOI: doi:[10.1016/j.biotechadv.2018.02.004](https://doi.org/10.1016/j.biotechadv.2018.02.004)  
Reference: JBA 7214  
To appear in: *Biotechnology Advances*  
Received date: 25 September 2017  
Revised date: 27 December 2017  
Accepted date: 2 February 2018

Please cite this article as: Neerajha Nagarajan, Agnes Dupret-Bories, Erdem Karabulut, Pinar Zorlutuna, Nihal Engin Vrana , Enabling personalized implant and controllable biosystem development through 3D printing. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jba(2018), doi:[10.1016/j.biotechadv.2018.02.004](https://doi.org/10.1016/j.biotechadv.2018.02.004)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Enabling Personalized Implant and Controllable Biosystem Development Through 3D Printing

Neerajha Nagarajan<sup>1</sup>, Agnes Dupret-Bories<sup>2</sup>, Erdem Karabulut<sup>3,4</sup>, Pinar Zorlutuna<sup>1,5\*</sup>, Nihal Engin Vrana<sup>6,7\*</sup>

1 Bioengineering Graduate Program, University of Notre Dame, Notre Dame, 46556, USA

2 Institut Claudius Regaud, Institut Universitaire du Cancer Toulouse-OncoPole, 1 avenue Irène Joliot-Curie 31059, Toulouse Cedex 9, France

3 Chalmers University of Technology, Department of Chemistry and Chemical Engineering, Biopolymer Technology, Göteborg, 412 96, Sweden

4 Wallenberg Wood Science Center, Chalmers University of Technology, Göteborg 412 96, Sweden

5 Department of Aerospace and Mechanical Engineering, University of Notre Dame, Notre Dame, 46556, USA

6 Institut National de la Santé et de la Recherche Médicale, INSERM Unité 1121, 11 Rue Humann, 67000 Strasbourg, France

7 Protip Medical, 8 Place de l'Hopital, 67000, Strasbourg, France

\* Corresponding Authors: pinar.zorlutuna.1@nd.edu, e.vrana@protipmedical.com

Download English Version:

<https://daneshyari.com/en/article/6486664>

Download Persian Version:

<https://daneshyari.com/article/6486664>

[Daneshyari.com](https://daneshyari.com)