

Accepted Manuscript

Self-assembling antimicrobial peptides on nanotubular titanium surfaces coated with calcium phosphate for local therapy

Hilal Yazici, Gizem Habib, Kyle Boone, Mustafa Urgan, Feride Sermin Utku, Candan Tamerler



PII: S0928-4931(17)34510-1
DOI: [doi:10.1016/j.msec.2018.09.030](https://doi.org/10.1016/j.msec.2018.09.030)
Reference: MSC 8893
To appear in: *Materials Science & Engineering C*
Received date: 16 November 2017
Revised date: 17 August 2018
Accepted date: 10 September 2018

Please cite this article as: Hilal Yazici, Gizem Habib, Kyle Boone, Mustafa Urgan, Feride Sermin Utku, Candan Tamerler , Self-assembling antimicrobial peptides on nanotubular titanium surfaces coated with calcium phosphate for local therapy. Msc (2018), doi:[10.1016/j.msec.2018.09.030](https://doi.org/10.1016/j.msec.2018.09.030)

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.

**SELF-ASSEMBLING ANTIMICROBIAL PEPTIDES ON NANOTUBULAR TITANIUM
SURFACES COATED WITH CALCIUM PHOSPHATE FOR LOCAL THERAPY**

Hilal Yazici¹, Gizem Habib¹, Kyle Boone², Mustafa Urgan³,

Feride Sermin Utku^{1,4}, Candan Tamerler^{2,5,6*}

¹*Department of Molecular Biology and Genetics, MOBGAM, Molecular Biology, Biotechnology and Genetic Center, Istanbul Technical University, 34469, Maslak, Istanbul, TURKEY.*

²*Bioengineering Program, Institute for Bioengineering Research, University of Kansas, Lawrence, KS 66045, USA.*

³*Department of Material Science and Engineering, Istanbul Technical University, 34469, Maslak, Istanbul, TURKEY.*

⁴*Yeditepe University, Department of Biomedical Engineering, 34755 Istanbul, TURKEY.*

⁵*Bioengineering Program, Institute for Bioengineering Research,* ⁶*Department of Mechanical Engineering, University of Kansas, Lawrence, KS 66045, USA*

***Corresponding Author**

Candan Tamerler, PhD

Wesley G. Cramer Professor

Core Director, Biomaterials and Tissue Engineering, Bioengineering Program

Director, Biomimetic Materials, Institute for Bioengineering Research,

Department of Mechanical Engineering

University of Kansas

1530 W, 15th St, Learned Hall, Lawrence, KS-66047, USA.

e-mail : ctamerler@ku.edu

Phone: 785-864-2984

Download English Version:

<https://daneshyari.com/en/article/11026817>

Download Persian Version:

<https://daneshyari.com/article/11026817>

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