

Accepted Manuscript



Generation of Matched Patient-Derived Xenograft *In Vitro-In Vivo* Models Using 3D Macroporous Hydrogels for the Study of Liver Cancer

Eliza Li Shan Fong, Tan Boon Toh, Xiaoxuan Lin, Zheng Liu, Lissa Hooi, Masturah Bte Mohd Abdul Rashid, Touati Benoukraf, Edward Kai-Hua Chow, The Hung Huynh, Harry Yu

PII: S0142-9612(17)30832-3
DOI: 10.1016/j.biomaterials.2017.12.026
Reference: JBMT 18416
To appear in: *Biomaterials*
Received Date: 14 September 2017
Revised Date: 21 December 2017
Accepted Date: 31 December 2017

Please cite this article as: Eliza Li Shan Fong, Tan Boon Toh, Xiaoxuan Lin, Zheng Liu, Lissa Hooi, Masturah Bte Mohd Abdul Rashid, Touati Benoukraf, Edward Kai-Hua Chow, The Hung Huynh, Harry Yu, Generation of Matched Patient-Derived Xenograft *In Vitro-In Vivo* Models Using 3D Macroporous Hydrogels for the Study of Liver Cancer, *Biomaterials* (2018), doi: 10.1016/j.biomaterials.2017.12.026

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.

Generation of Matched Patient-Derived Xenograft *In Vitro-In Vivo* Models Using 3D Macroporous Hydrogels for the Study of Liver Cancer

^{1, #, *} Eliza Li Shan Fong, ^{2, #} Tan Boon Toh, ^{2, †} Xiaoxuan Lin, ^{3, †} Zheng Liu, ² Lissa Hooi, ² Masturah Bte Mohd Abdul Rashid, ² Touati Benoukraf, ^{2, *} Edward Kai-Hua Chow, ^{4, *} The Hung Huynh and ^{3, 5, 6, 7, 8, 9} Harry Yu

¹ Department of Biomedical Engineering, National University of Singapore, Singapore

² Cancer Science Institute, National University of Singapore, Singapore

³ Institute of Bioengineering and Nanotechnology, Agency for Science, Technology and Research (A*STAR), Singapore

⁴ National Cancer Center Singapore, Singapore

⁵ Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

⁶ Mechanobiology Institute, National University of Singapore, Singapore

⁷ BioSyM, Singapore-MIT Alliance for Research and Technology, Singapore

⁸ Department of Gastroenterology, Nanfang Hospital, Southern Medical University, Guangzhou, China

⁹ NUS Graduate School of Integrative Sciences and Engineering, National University of Singapore, Singapore

#Co-First Authors

†Co-Second Authors

***Corresponding Authors:**

TH Huynh (cmrhth@nccs.com.sg)

ELS Fong (bieflse@nus.edu.sg)

EKH Chow (csikce@nus.edu.sg)

Download English Version:

<https://daneshyari.com/en/article/6484674>

Download Persian Version:

<https://daneshyari.com/article/6484674>

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