Accepted Manuscript

Metabolic glycan labeling and chemoselective functionalization of native biomaterials

Xi Ren, Daniele Evangelista-Leite, Tong Wu, Konrad T. Rajab, Philipp T. Moser, Kentaro Kitano, Konstantinos P. Economopoulos, Daniel E. Gorman, Jordan P. Bloom, Jun Jie Tan, Sarah E. Gilpin, Haiyang Zhou, Douglas J. Mathisen, Harald C. Ott



DOI: 10.1016/j.biomaterials.2018.08.012

Reference: JBMT 18818

To appear in: Biomaterials

Received Date: 14 May 2018

Revised Date: 1 August 2018

Accepted Date: 3 August 2018

Please cite this article as: Ren X, Evangelista-Leite D, Wu T, Rajab KT, Moser PT, Kitano K, Economopoulos KP, Gorman DE, Bloom JP, Tan JJ, Gilpin SE, Zhou H, Mathisen DJ, Ott HC, Metabolic glycan labeling and chemoselective functionalization of native biomaterials, *Biomaterials* (2018), doi: 10.1016/j.biomaterials.2018.08.012.

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.



Metabolic glycan labeling and chemoselective functionalization of native biomaterials

Xi Ren ^{a,b}, Daniele Evangelista-Leite ^a, Tong Wu ^a, Konrad T. Rajab ^a, Philipp T. Moser ^a, Kentaro Kitano ^{a,d}, Konstantinos P. Economopoulos ^{a,e}, Daniel E. Gorman ^a, Jordan P. Bloom ^a, Jun Jie Tan ^{a,f}, Sarah E. Gilpin ^a, Haiyang Zhou ^{a,g}, Douglas J. Mathisen ^a, Harald C. Ott ^{a,c,*}

^a Center for Regenerative Medicine, Massachusetts General Hospital, Boston, MA 02114, USA

^b Department of Biomedical Engineering, Carnegie Mellon University, Pittsburgh, PA 15213, USA

^c Division of Thoracic Surgery, Department of Surgery, Massachusetts General Hospital, Boston, MA 02114, USA

^d Department of Thoracic Surgery, The University of Tokyo, Tokyo 113-8655, Japan

^e Department of Surgery, Duke University Medical Center, Durham, NC 27710, USA

^f Advanced Medical and Dental Institute, Universiti Sains Malaysia, 13200 Kepala Batas, Penang, Malaysia

⁹ Department of Surgery, Changzheng Hospital, Shanghai 200041, China

*Corresponding Author:

Harald C Ott, MD Associate Professor in Surgery Harvard Medical School Harvard Stem Cell Institute

Division of Thoracic Surgery Department of Surgery Massachusetts General Hospital 185 Cambridge Street, CPZN 4800 Boston, MA 02114

hott@mgh.harvard.edu

Download English Version:

https://daneshyari.com/en/article/6484279

Download Persian Version:

https://daneshyari.com/article/6484279

Daneshyari.com