optica

Inverse power-law behavior of cellular motility reveals stromal-epithelial cell interactions in 3D co-culture by OCT fluctuation spectroscopy: supplementary materials

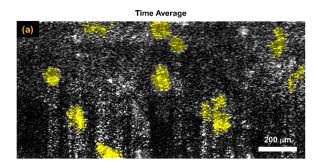
AMY L. OLDENBURG,^{1,2,3*} XIAO YU,^{1,2} THOMAS GILLISS,¹ OLUWAFEMI ALABI,⁴ RUSSELL M. TAYLOR II,^{4,1} MELISSA A. TROESTER,^{3,5}

Published 9 October 2015

This document provides supplementary information to "Inverse power-law behavior of cellular motility reveals stromal-epithelial cell interactions in 3D co-culture by OCT fluctuation spectroscopy," *Optica* 9, 877 (2015), http://dx.doi.org/10.1364/optica.2.000877. © 2015 Optical Society of America

http://dx.doi.org/10.1364/optica.2.000877.s001

See a discussion of Figure S1 in the main article text.



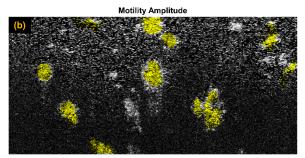


Fig. S1. Overlay of ROIs obtained from the semi-automated segmentation (yellow) onto the B-mode images (grayscale) including

(a) the time average over the image stack, and (b) the motility amplitude according to Eq. (4). Images are obtained from the same image stack displayed in Figures 2 and 3.

¹Department of Physics and Astronomy, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3255

²Biomedical Research Imaging Center, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7513

³Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7295

⁴Department of Computer Science, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3175

⁵Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7435

^{*}Corresponding author: aold@physics.unc.edu