

Article

Photoactive Pore Matrix for In Situ Delivery of a Photosensitizer in Vascular Smooth Muscle Cells Selective PDT

Magdalena Wawrzyńska¹, Maciej Duda², Iwona Hołowacz², Aleksandra Kaczorowska², Agnieszka Ulatowska-Jarza², Igor Buzalewicz², Wojciech Kałas³, Edyta Wysokińska³, Dariusz Biały⁴, Halina Podbielska² and Marta Kopaczynska^{2,*}

¹ Department of Emergency Medical Service, Wrocław Medical University, Parkowa 34, 51-616 Wrocław, Poland; mag.wawrzynska@gmail.com

² Department of Biomedical Engineering, Wrocław University of Science and Technology, Wybrzeże Wyspiańskiego 27, 50-370 Wrocław, Poland; maciej.duda@pwr.edu.pl (M.D.); iwona.holowacz@pwr.edu.pl (I.H.); aleksandra.kaczorowska@pwr.edu.pl (A.K.); agnieszka.ulatowska-jarza@pwr.edu.pl (A.U.-J.); igor.buzalewicz@pwr.edu.pl (I.B.); halina.podbielska@pwr.edu.pl (H.P.)

³ Department of Experimental Oncology, Ludwik Hirszfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, ul. Rudolfa Weigla 12, 53-114 Wrocław, Poland; wojciech.kalas@hirsfeld.pl (W.K.); edyta.wysokinska@hirsfeld.pl (E.W.)

⁴ Department and Clinic of Cardiology, Wrocław Medical University, Borowska 213, 50-556 Wrocław, Poland; dariusz.bialy@umed.wroc.pl

* Correspondence: marta.kopaczynska@pwr.edu.pl; Tel.: +48-71-320-46-17

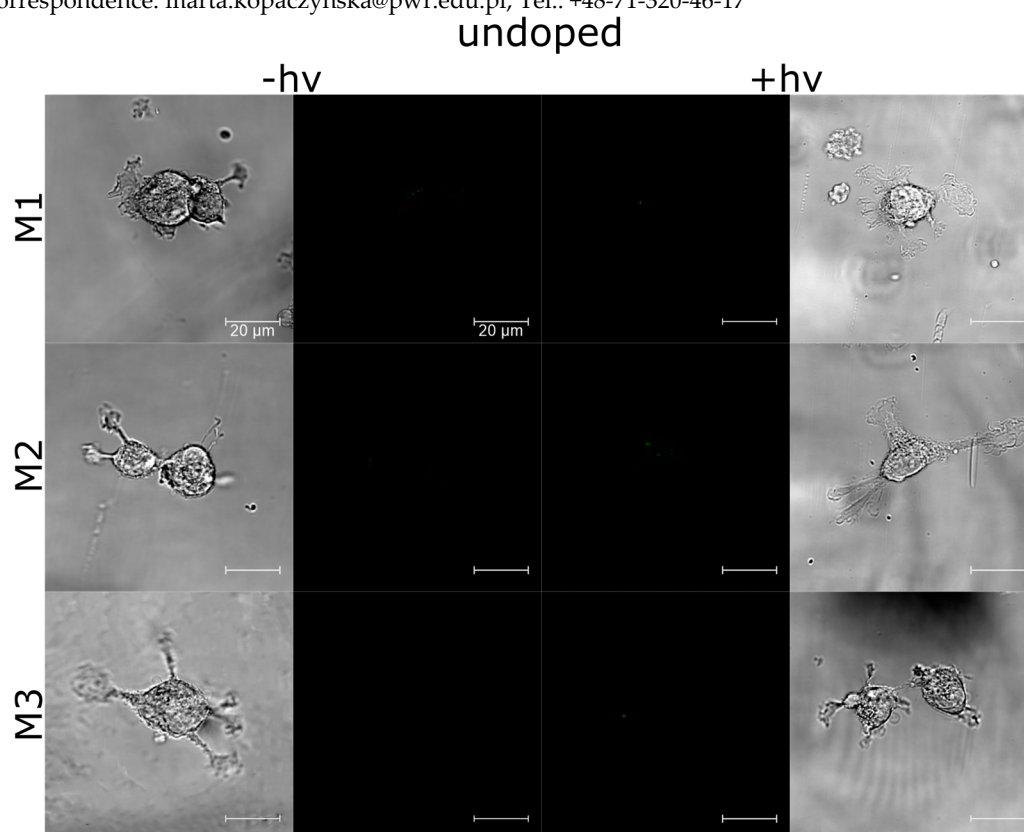


Figure S1. Confocal and bright field images of HUVEC incubated on undoped sol–gel layers M1, M2, and M3 before (left panel) and after (right panel) PDT. Cells on undoped surfaces do not exhibit fluorescence.



© 2019 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).