bioRxiv preprint doi: https://doi.org/10.1101/457085; this version posted February 15, 2019. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

JHU-2545 Selectively Shields Salivary Glands and Kidneys during PSMA-Targeted Radiotherapy

Michael T. Nedelcovych^{1,2}, Ranjeet P. Dash^{1,2}, Ying Wu¹, Eun Yong Choi⁸, Rena S. Lapidus⁸, Pavel Majer⁹, Diane Abou¹¹, Marie-France Penet^{4,7}, Anastasia Nikolopoulou¹⁰, Alex Amor-Coarasa¹⁰, John Babich¹⁰, Daniel L. Thorek¹¹, Rana Rais^{1,2}, Clemens Kratochwil¹², Barbara S. Slusher^{1,2,3,4,5,6*}

¹Johns Hopkins Drug Discovery, Departments of ²Neurology, ³Medicine, ⁴Oncology, ⁵Psychiatry, ⁶Neuroscience, ⁷Radiology and Radiological Science, Johns Hopkins School of Medicine, Baltimore, MD 21205, U.S.A.
⁸Translational Laboratory Shared Service, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD, 21201, U.S.A.
⁹Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic v.v.i., Prague, 166 10, Czech Republic
¹⁰Division of Radiopharmaceutical Sciences and MI(3), Department of Radiology, Weill Cornell Medicine, New York, NY, U.S.A.
¹¹Depatment of Radiology, Washington University School of Medicine, Saint Louis, MO, 63110, U.S.A.

Address Correspondence to:

*Barbara S. Slusher, PhD, Johns Hopkins Drug Discovery, 855 North Wolfe Street, Baltimore, Maryland, USA 21205, Phone: 410-614-0662, Fax: 410-614-0659, E-mail: <u>bslusher@jhmi.edu</u>

This manuscript has been withdrawn by the authors because data included in the original manuscript will be separated into two different manuscripts and submitted for publication to two different journals. The authors do not wish this work to be cited as reference for the project. If you have any questions, please contact the corresponding author.