

[WeA4] Plasma Sources for Biomedical Applications**Date / Time** August 4 (Wed.), 2021 / 15:40-17:20**Channel** Channel A**Session Chair** Dr. Matteo Gherardi (Alma Mater Studiorum - Università Di Bologna, Italy)**WeA4-1****15:40-16:05****[Invited]****Corona Plasma Pen Using Streamer Discharge in Air Induces Disinfection and Selective Anticancer Effects Both Directly and by Plasma Activated Medium**Z. Machala¹, V. Martišovits¹, D. Sersenová¹, H. Gbelcová¹, V. Repiská¹, M. Suchoňová¹, B. Konečná¹, L. Tóthová¹, A.C. Ricchiuto², G. Neretti², D.B. Graves³, and G. Bauer⁴¹Comenius Univ. in Bratislava, Slovakia, ²Univ. of Bologna, Italy, ³Univ. of California Berkeley, USA, ⁴Univ. of Freiburg, Germany**WeA4-2****16:05-16:20****Citizen Scientist in Plasma Medicine. See the in-humans Results Since 1967**Deborah Black¹, Mark Edwards¹, Yubin Xian², Kostya (Ken) Ostrikov³, and Erik (Rik) Thompson⁴¹Bionic Products Pty Ltd., Australia, ²Huazhong Univ. of Science and Tech., China, ³Queensland Univ. & Tech., Australia, ⁴Inst. of Health and Biomedical Innovation, Australia**WeA4-3****16:20-16:35****Impact of Helium Plasma Jet on Tilted Dielectric Targets: Target Conductivity vs Dielectric Constant**Natalia Babaeva¹, George Naidis¹, Dmitry Tereshonok¹, Vladislav Panov¹, Cheng Zhang², Bangdou Huang², Tao Shao²¹Russian Academy of Sciences, Russia, ²Chinese Academy of Sciences, China**WeA4-4****16:35-16:50****Combination Treatment of Biocompatible Cold Plasma and Chemotherapeutic Agent to Sensitize Human Glioblastoma**

Manish Adhikari, Vikas Soni, Hayk Simonyan, Colin Young, Jonathan Sherman, and Michael Keidar

*The George Washington Univ., USA***WeA4-5****16:50-17:05****Optimization of Cold Plasma Jet for Enhancing Hydrogen Peroxide Production and its Application to Wound Healing**Bhagirath Ghimire¹, Endre Szili², Bethany L. Patenall³, Alexander Robson¹, Naing T. Thet³, Andrew Toby A. Jenkins³, and Robert D. Short¹¹Lancaster Univ., UK, ²Univ. of South Australia, Australia, ³Univ. of Bath, UK**WeA4-6****17:05-17:20****Beam-Plasma Systems for Medical and Agricultural Applications**

Tatiana Vasilieva, Michael Vasiliev, and Htet Ko Ko Zaw

Moscow Inst. of Physics and Tech., Russia