

[TuA2] Fundamentals of Atmospheric Plasmas/Plasma Sources for Biomedical Applications**Date / Time** August 3 (Tue.), 2021 / 16:20-17:45**Channel** Channel A**Session Chair** Dr. Barbora Tarabová (Czech Academy of Sciences, Czech Republic)**TuA2-1****16:20-16:45****[Invited]****Average Power Feedback Control Carried Out by a Sinusoidal High Voltage Power Supply Feeding a Dielectric Barrier Discharge Reactor**Gabriele Neretti, Anna Chiara Ricchiuto, Andrea Cristofolini, and Carlo Angelo Borghi
*Univ. of Bologna, Italy***TuA2-2****16:45-17:00****Electric Field in Plasma Medicine: an Approach to Measurement and Effects in Wound Treatment**Laura Vilardell Scholten^{1,2,3}, Veronika Hahn¹, Klaus-Dieter Weltmann¹, and Torsten Gerling^{1,2,3}
*¹INP Greifswald, Germany, ²Centre for Innovation Competency ZIK Plasmatis, Germany, ³Competency Centre for Diabetes KDK Karlsburg, Germany***TuA2-3****17:00-17:15****Improving the Antimicrobial Sensitivity of Enterobacter Cloacae by Sub-Lethal Pre-Exposure to Cold Plasma**Jordanne-Amee Maybin, Fiona M. Kearney, Padrig B. Flynn, and Brendan F. Gilmore
*Queen's Univ. Belfast, Ireland***TuA2-4****17:15-17:30****Interaction of Plasma Generated Carbon Monoxide (CO) with Mouse Blood Hemoglobin**Claire Douat¹, Pablo Escot Bocanegra¹, Sébastien Dozias¹, Eric Robert¹, and Roberto Motterlini²
*¹Université d'Orléans, France, ²Inserm U955-Univ. Paris Est, France***TuA2-5****17:30-17:45****A Novel Plasma Source for Treating Biofilm on Narrow Endoscope Channel Lumens**Minkwan Kim, Rodolphe Hervé, Henrike Jakob, and Charles William Keevil
*Univ. of Southampton, UK***TuA2-6****17:45-18:00****Oxidative Stress Inhibits Cystine Transportation by xC⁻ Antiporter**Maryam Ghasemitarei^{1,2}, Maksudbek Yusupov², Jamoliddin Razzokov², Babak Shokri¹, and Annemie Bogaerts²
¹Shahid Beheshti Univ., Iran, ²Univ. of Antwerp, Belgium