

[WeB3] Plasma for Pharmaceutical Applications, Biochemical and Biomolecular Engineering**Date / Time** August 4 (Wed.), 2021 / 14:05-15:25**Channel** Channel B**Session Chair** Prof. Hiromasa Tanaka (Nagoya Univ., Japan)**WeB3-1****14:05-14:30****[Invited]****Exploration of Plasma-driven Biocatalysis**Julia E. Bandow¹, Abdulkadir Yayci¹, Tim Dirks¹, Marco Krewing¹, Frank Hollmann², and Miguel Alcalde³¹Ruhr Univ. Bochum, Germany, ²Delft Univ. of Tech., The Netherlands. ³Inst. of Catalysis and Petrochemistry (CSIC), Campus Cantoblanco, Spain**WeB3-2****14:30-14:55****[Invited]****Report on the 1st International Meeting on Plasma Cosmetic Science (IMPCS1)**Jean-Michel Pouvesle¹, Vittorio Colombo², David Graves³, Catherine Grillon⁴, Ihn Han⁵, Jun-Seok Oh⁶, Endre Szili⁷, Thomas von Woedtke⁸, and Eric Robert¹¹CNRS/Université d'Orléans, France, ²Università di Bologna, Italy, ³UC Berkeley, USA, ⁴CNRS, France, ⁵Kwangwoon Univ., Korea, ⁶Osaka City Univ., Japan, ⁷Univ. of South Australia, Australia, ⁸INP Greifswald, Germany**WeB3-3****14:55-15:10****Detection of Volatile Compounds of Biological Interest as Cancer Biomarkers in Saliva Using Controlled-Atmosphere Flexible Micro Tube Plasma Ionization (CA-FuTP) and Mass Spectrometry**Pascal Vogel¹, Constantinos Lazarou², Odhisea Gazeli², Sebastian Brandt¹, Joachim Franzke¹, and David Moreno- González^{1,3}¹Leibniz-Inst. Für Analytische Wissenschaften, Germany, ²Univ. of Cyprus, Greece, ³Univ. of Jaén, Spain**WeB3-4****15:10-15:25****Influence of Cold Atmospheric Plasma on NADPH Oxidase 1 (NOX1) Enzyme and Membrane Protein Structures: A Combined Experimental and Computational Study**P. Attri¹, K. Koga¹, A. Bogaerts², W. Lee³, and M. Shiratani¹¹Kyushu Univ., Japan, ²Univ. of Antwerp, Belgium, ³Yonsei Univ., Korea