

[TuA1] Plasma-cell and Plasma-tissue Interactions – Biological and Biochemical Reactions**Date / Time** August 3 (Tue.), 2021 / 14:40-16:00**Channel** Channel A**Session Chair** Prof. Nagendra Kumar Kaushik (Kwangwoon Univ., Korea)**TuA1-1****14:40-15:05****[Invited]****Bone Regeneration Using Plasma Processes and Nanoparticles**

Jean-Sébastien Thomann¹, Mohammed Cherif Nassim Chekireb¹, Sylvie Changotade², Géraldine Rohman², Maité Audemar³, Sophie Hermans³, Cristina Canal⁴, Agata Przekora-Kuśmierz⁵, Anna Belcarz⁵, Joanna Pawlat⁶, Grażyna Ginalska⁵, and David Duda¹

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TuA1-2**15:05-15:30****[Invited]****3D Engineered Models in Plasma Oncology: Investigating the Efficiency of Plasma-Activated Ringer's Saline in Osteosarcoma**

Juan Tornin¹, Miguel Mateu¹, Aranzazu Villasante², Xavi Sole¹, Maria-Pau Ginebra^{1,2}, and Cristina Canal¹

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TuA1-3**15:30-15:45****Bacterial Stress Response Proteins Protect Highly Vulnerable Iron-sulfur Clusters from Disruption by Plasma Treatment**

Marco Krewing, Kim Weisgerber, Tim Dirks, and Julia E. Bandow
Ruhr Univ. Bochum, Germany

TuA1-4**15:45-16:00****Cellular Effects Upon Treatment with Plasma-activated Solutions**

Charlotte op't Hoog¹, Joseph H.F.F. Lorent¹, Paul J. van Diest², and Andreas F.-P. Sonnen^{1,2}

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