

**[WeB4] Plasma Liquid Interactions, Plasma Activated Liquids****Date / Time** August 4 (Wed.), 2021 / 15:40-17:05**Channel** Channel B**Session Chair** Prof. Jean-Michel Pouvesle (GREMI, Orleans, France)**WeB4-1****15:40-16:05****[Invited]****Selectivity of Detection Methods for Reactive Oxygen and Nitrogen Species in Plasma Treated Aqueous Solutions**Barbora Tarabová<sup>1</sup>, Malte U. Hammer<sup>2</sup>, Helena Jablonowski<sup>2</sup>, Thomas von Woedtke<sup>2</sup>, Stephan Reuter<sup>3</sup>, Mário Janda<sup>4</sup>, Karol Hensel<sup>4</sup>, Zdenko Machala<sup>4</sup>, and Petr Lukeš<sup>1</sup><sup>1</sup>Inst. of Plasma Physics of the CAS, Czech Republic, <sup>2</sup>INP Greifswald, Germany, <sup>3</sup>École Polytechnique de Montréal, Canada,<sup>4</sup>Comenius Univ., Slovakia**WeB4-3****16:05-16:20****Development of an Electrochemical Sensor for In-Situ Monitoring of Reactive Species Produced by Cold Physical Plasma**Zahra Nasri<sup>1</sup>, Seyedali Memari<sup>1</sup>, Sander Bekeschus<sup>1</sup>, Klaus-Dieter Weltmann<sup>1</sup>, Thomas von Woedtke<sup>1,2</sup>, and Kristian Wende<sup>1</sup><sup>1</sup>Leibniz Inst. for Plasma Science and Tech., Germany, <sup>2</sup>Univ. Medicine Greifswald, Germany**WeB4-4****16:20-16:35****On the Chemical Stability of Plasma-treated Liquids**K. Sklias<sup>1</sup>, K. Gazeli<sup>1</sup>, T.-H. Chung<sup>1</sup>, A. Stancampiano<sup>2</sup>, S. Dozias<sup>2</sup>, C. Douat<sup>2</sup>, J.-M. Pouvesle<sup>2</sup>, E. Robert<sup>2</sup>, L.M. Mir<sup>1</sup>, and J. Santos Sousa<sup>1</sup><sup>1</sup>Université Paris-Saclay, France, <sup>2</sup>Université d'Orléans, France**WeB4-5****16:35-16:50****Hydrogel-forming Biopolymer Solutions: An Opportunity for the Design of RONS Carriers**

Cédric Labay, Marcel Roldán, Inès Hamouda, Maria-Pau Ginebra, and Cristina Canal

Universitat Politècnica de Catalunya (UPC), Spain

**WeB4-2****16:50-17:05****Plasma-driven Biomolecule Modification – a Lever System Sparking Non-linear Cellular Response?**Kristian Wende<sup>1</sup>, Sebastian Wenske<sup>1</sup>, Zahra Nasri<sup>1</sup>, Mehdi Ravandeh<sup>1,2</sup>, Giuliana Bruno<sup>1</sup>, Klaus-Dieter Weltmann<sup>3</sup>, Sander Bekeschus<sup>1</sup>, and Thomas von Woedtke<sup>2,3</sup><sup>1</sup>ZIK Plasmatis/Leibniz Inst. for Plasma Science and Tech., Germany, <sup>2</sup>Univ. of Greifswald, Germany, <sup>3</sup>Leibniz Inst. for Plasma Science and Tech., Germany