

# Drug Delivery Systems Based on Cold Atmospheric Plasma-activated Liquids for Biomedical Applications

2026  
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**Date:** February 26<sup>th</sup>, 2026 (Thu.)

**Venue:** FUJI Hall, EI Building, Nagoya University

**Forum Style:** Hybrid

**Moderator:** Prof. Camelia Miron (Center for Low-temperature Plasma Sciences, Nagoya University)

## Program

### Morning Session

- 10:00~10:15 (JST) **Introduction:** Prof. Camelia Miron  
02:00~02:15 (CET) **Opening Speech:** Prof. Noriyasu Ohno  
03:00~03:15 (EET) Director of Center for Low-temperature Plasma Sciences, Nagoya University, Japan
- 10:15~11:00 (JST) **Cybermedical Systems Research at the Physiological Controls Research Center**  
02:15~03:00 (CET) Prof. Levente Adalbert Kovacs  
03:15~04:00 (EET) Director of Physiological Controls Research Center, Rector of Obuda University, Hungary
- 11:00~11:45 (JST) **Plasma-activated Solutions for Medical Applications**  
03:00~03:45 (CET) Prof. Hiromasa Tanaka  
04:00~04:45 (EET) Head of Plasma Bio Division, Center for Low-temperature Plasma Sciences, Nagoya University, Japan

### Afternoon Session

- 13:15~14:00 (JST) **Modular Molecular Design and Self-Assembly for the Construction of Hydrogel-Based Soft Materials for Bio-applications**  
05:15~06:00 (CET) Prof. Masato Ikeda  
06:15~07:00 (EET) Department of Chemistry and Biomolecular Science, Faculty of Engineering (Head of Medicinal Sciences Division, United Graduate School of Drug Discovery and Medical Information Sciences), Gifu University, Japan
- 14:00~14:45 (JST) **Tumor Modeling Based on Formal Reaction Kinetics**  
06:00~06:45 (CET) Prof. Daniel Andras Drexler  
07:00~07:45 (EET) Deputy Director of Physiological Controls Research Center, Computerized Therapy Optimization Research Group, Obuda University, Hungary
- 14:45~15:30 (JST) **In Vivo and Ex Vivo Models for Testing Polymeric Biomaterials and Biological Molecules** On-line  
06:45~07:30 (CET) Prof. Liliana Verestiuc  
07:45~08:30 (EET) Coordinator of Training and Research Center of Tissue Engineering and Regenerative Medicine, Vice Dean of the Faculty of Medical Bioengineering, Iasi, Romania
- 15:30~15:45 (JST) 07:30~07:45 (CET) 08:30~08:45 (EET) **<< Break time >>**
- 15:45~16:30 (JST) **Plasma Treatment of Aqueous Solutions for the Degradation and Synthesis of Chemical Compounds** On-line  
07:45~08:30 (CET) Prof. Juergen Kolb  
08:45~09:30 (EET) Programme Manager Agriculture, Bioeconomy, Environment, INP Greifswald, Germany
- 16:30~17:15 (JST) **Chitosan-based Biomaterials Developed by the ECODESIGN Group at the "Petru Poni" Institute of Macromolecular Chemistry** On-line  
08:30~09:15 (CET) Dr. Luminita Marin  
09:30~10:15 (EET) Head of Department of Polycondensation and Thermostable Polymers, Institute of Macromolecular Chemistry "Petru Poni", Iasi, Romania
- 17:15~18:00 (JST) **Plasma-treated Hydrogels: Delivering RONS to Cancer Tissues** On-line  
09:15~10:00 (CET) Prof. Cristina Canal  
10:15~11:00 (EET) Director of the Doctoral School at Universitat Politecnica de Catalunya, Spain  
Center for Low-temperature Plasma Sciences, Nagoya University