



Ministry of Foreign Affairs
Republic of Korea

WEDNESDAY, SEPTEMBER 2ND 2026

Place: Medical Simulation Center, Pomeranian Medical University in Szczecin,
50 Klonowica Street, 71-240 Szczecin, Poland

8:30–09:00	Welcome coffee & registration
Chair by: Anna Nowak & Paula Ossowicz-Rupniewska	
	Opening Ceremony
09:00–09:45	Welcome addresses by the representatives of the Marshal's Office of the West Pomeranian Voivodeship, Rectors and Deans of the Pomeranian Medical University in Szczecin and the West Pomeranian University of Technology in Szczecin
	Overview of the Visegrad+ Project
09:45–10:00	Prof. Anna Nowak , Pomeranian Medical University in Szczecin, Poland Prof. Paula Ossowicz-Rupniewska , West Pomeranian University of Technology in Szczecin, Poland
	Plenary Lecture
10:00–10:45	Development of hybrid hydrogel dressings for topical treatment of psoriasis: from laboratory concept to evaluation in a 3d tissue model Prof. Katarzyna Bialik-Wąs , Cracow University of Technology, Poland
	Project Coordinator Lecture
10:45–11:15	Design and development of functionalized polymer-based bandages for advanced wound therapy Prof. Franciska Erdő , Pázmány Péter Catholic University, Hungary
	Project Partner Presentation I
11:15–11:35	Modern nanoplatorms for drug delivery and controlled release Dr. Olena Pavlenko , Institute of Physics, National Academy of Sciences of Ukraine
	Project Partner Presentation II
11:35–11:55	Evaluation of the irritation potential and wound healing efficacy of polymer hydrogel prototypes using 3d human reconstructed epidermis and skin tissue models Dr. Silvia Letisiova , MatTek In Vitro Life Science Laboratories s.r.o., Slovakia
12:00–12:45	Lunch Break
	Lecture I
12:45–13:05	Nutritional modulation of the wound microenvironment: clinical implications for polymer-based dressing efficacy Dr. Maja Czerwińska-Rogowska , Pomeranian Medical University in Szczecin, Poland
	Lecture II
13:05–13:25	Selected plant species with high antioxidant activity for potential use in wound healing Prof. Justyna Stefanowicz-Hajduk , Medical University of Gdańsk, Poland
	Lecture III
13:25–13:45	Maggot debridement therapy as the first stage of wound management – the importance of biological wound bed preparation, clinical experience, and the role of the nurse in preparing the wound for advanced therapies Dr. Jolanta Dynarska , Medical Center Jolanta Dynarska, West Pomeranian Oncology Center, Poland
13:45–14:00	Discussion and Closing Remarks – Day 1
14:00–16:00	Visit Medical Simulation Center , Pomeranian Medical University in Szczecin <i>(Participation limited to members of the Visegrad+ Project Consortium)</i>



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THURSDAY, SEPTEMBER 3RD 2026

Place: Medical Simulation Center, Pomeranian Medical University in Szczecin,
50 Klonowica Street, 71-240 Szczecin, Poland

8:30–09:00	Welcome coffee & registration
Chair by: Magdalena Malinowska & Barbara Roman	
	Lecture IV
09:00–09:20	The role of the loan micellar extraction concept in the design and production of preparations containing high levels of active ingredients (on the example of cosmetics) Prof. Tomasz Wasilewski , University of Radom, Poland
	Lecture V
09:20–09:40	Development of lipid nanocarriers, polymer gels and hybrid systems enriched with extracts from fruit and vegetable biomass Prof. Małgorzata Miastkowska , Cracow University of Technology, Poland
	Lecture VI
09:40–10:00	Biological evaluation of hydrogel materials in a 3D psoriasis model: from cytotoxicity to molecular landscape Dr. Katarzyna Malarz , University of Silesia in Katowice, Poland
	Lecture VII
10:00–10:20	Parameter-controlled rotating magnetic field as a biophysical modulator of in vitro wound repair Prof. Rafał Rakoczy , West Pomeranian University of Technology in Szczecin, Poland
	Lecture VIII
10:20–10:40	Bacterial cellulose as a biocompatible platform for bacteriophage-based skin infection therapy Dr. Anna Żywicka , West Pomeranian University of Technology in Szczecin, Poland
	Lecture IX
10:40–11:00	Bacteriophages as precision antimicrobial agents for polymer-based wound healing systems Dr. Bartłomiej Grygorcewicz , Pomeranian Medical University in Szczecin, Poland
11:00–11:30	Coffee break
Chair by: Małgorzata Miastkowska & Anna Muzykiewicz-Szymańska	
11:30–11:50	Lecture X Multifunctional lupeol esters for skin barrier repair Prof. Magdalena Malinowska , Cracow University of Technology, Poland
11:50–12:10	Lecture XI Radiation stability of polymers used in 3D-printed boluses for megavoltage radiotherapy Dr. Karolina Jezierska , Pomeranian Medical University in Szczecin, Poland
12:10–12:30	Lecture XII Statistical analysis of dermatological status and measurements on nanofiber-based wound dressing mats Dr. János Juhász , Pázmány Péter Catholic University, Semmelweis University, Budapest, Hungary



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12:30–12:50	Lecture XIII Chamomile-modified biofunctional polyurethane foams for wound care applications Agata Domańska, M.Sc., Poznan University of Technology, Poland
12:50–13:10	Lecture XIV Comparative effects of selected biostimulatory components on wound closure and morphology of human dermal fibroblasts Maciej Gutarowicz, M.Sc., Pomeranian Medical University in Szczecin, Poland
13:10–13:30	Lecture XV Design and application of photopolymerized gel systems for transdermal drug delivery Wiktoria Patz, M.Sc., Poznan University of Technology, Poland
13:30–14:30	Lunch Break
14:30–14:40	Presentation of the Centre for Advanced Materials and Manufacturing Engineering (MATPRO) Prof. Rafał Rakoczy, West Pomeranian University of Technology in Szczecin, Poland
14:40–14:50	Presentation of the Technology Transfer Center, Pomeranian Medical University in Szczecin
14:50–15:00	Presentation of the Regional Centre for Innovation and Technology Transfer, West Pomeranian University of Technology in Szczecin
15:00–16:15 FLASH POSTER SESSION Chair by: Edyta Kucharska & Barbara Roman	
15:00–15:05	Poster 1 Stimulus-responsive polyurethane hydrogels for controlled local delivery gemcitabine and docetaxel for pancreatic cancer therapy Prof. Marcin Sobczak, Medical University of Warsaw, Poland
15:05–15:10	Poster 2 Photopolymer-based innovations in medical dressings: advanced hydrogels and adhesive films with enhanced moisture vapor permeability Prof. Agnieszka Kowalczyk, West Pomeranian University of Technology in Szczecin, Poland
15:10–15:15	Poster 3 Hydrogel films based on a starch derivative and poly(acrylic acid) – preparation and evaluation of properties Prof. Katarzyna Wilpiszewska, West Pomeranian University of Technology in Szczecin, Poland
15:15–15:20	Poster 4 Pro-regenerative potential of <i>Hericium erinaceus</i> alcoholic extract in human dermal fibroblasts Dr. Patrycja Kupnicka, Pomeranian Medical University in Szczecin, Poland
15:20–15:25	Poster 5 <i>Kalanchoe pinnata</i> (lam.) pres. extracts for collagenase inhibition Dr. Anna Hering, Medical University of Gdańsk, Poland
15:25–15:30	Poster 6 Selective modulation of skin microbiota using a topical encapsulated probiotic system Dr. Anna Łętocha, Cracow University of Technology, Poland



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15:30–15:35	Poster 7 Hybrid polymer–lipid nanocarriers for enhanced delivery of horse chestnut extract in wound healing and anti-edema applications Dr. Elwira Lasoń, Cracow University of Technology, Poland
15:35–15:40	Poster 8 Plants as a promising strategy for tissue repair: insights from <i>Sanguisorba officinalis</i> L. Dr. Anna Muzykiewicz-Szymańska, Pomeranian Medical University in Szczecin, Poland
15:40–15:45	Poster 9 Sodium alginate/hydroxyapatite composite hydrogels prepared with additive manufacture Dr. Magdalena Łabowska, Wrocław University of Science and Technology
15:45–15:50	Poster 10 Wild strawberry (<i>Fragaria vesca</i> L.) extract as an innovative ingredient of polymer dressings supporting wound healing Agata Madalińska, M.Sc., Pomeranian Medical University in Szczecin, Poland
15:50–15:55	Poster 11 Antioxidant film based on biopolymer and bioactive pigment as a promising combination for wound healing applications Patrycja Brudzyńska, M.Sc., Nicolaus Copernicus University, Poland
15:55–16:00	Poster 12 Biopolymeric-based porous materials with antioxidant properties as a potential wound dressing Karolina Kulka-Kamińska, M.Sc., Nicolaus Copernicus University, Poland
16:00–16:05	Poster 13 Injectable amphiphilic polymer nanoparticles loaded with quercetin for intra-articular osteoarthritis treatment Nicolas Maciejewicz-Kamiński, West Pomeranian University of Technology in Szczecin, Poland
16:05–16:10	Poster 14 Pilot evaluation of an <i>Epilobium angustifolium</i> L. extract-containing topical hydrogel on skin biophysical parameters in healthy volunteers Anna Fogarasi, Pázmány Péter Catholic University, Hungary
16:10–16:15	Poster 15 Sustained drug delivery carriers for intra-articular administration Wojciech Kucharski, West Pomeranian University of Technology in Szczecin, Poland
16:15–17:00	Discussion and Closing Ceremony



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FRIDAY, SEPTEMBER 4TH 2026

Visit to the Centre for Advanced Materials and Manufacturing Engineering (MATPRO), West Pomeranian University of Technology in Szczecin

09:00–10:00

Place: Centre for Advanced Materials and Manufacturing Engineering (MATPRO), West Pomeranian University of Technology in Szczecin, Piastów Ave. 45, 70-311 Szczecin

Presentation of research infrastructure and laboratories

(Laboratory visits are available only to registered conference participants. Due to safety regulations and capacity limitations, the number of participants is limited.)

Project Closing Meeting

11:00–17:00

Place: University Clinical Hospital No. 2, 72 Powstańców Wielkopolskich Avenue, 70-111 Szczecin, Poland, Building V, 1st Floor

(Participation limited to members of the Visegrad+ Project Consortium)

SPONSORS:

