



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	Multifunctional lupeol esters for skin barrier repair Prof. Magdalena Malinowska , Cracow University of Technology, 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
(Participation limited to members of the Visegrad+ Project Consortium)

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

Nutritional modulation of the wound microenvironment: clinical implications for polymer-based dressing efficacy

Dr. Maja Czerwińska-Rogowska, Pomeranian Medical University in Szczecin, 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
12:30–12:50	Lecture XIII Chamomile-modified biofunctional polyurethane foams for wound care applications Agata Domańska, M.Sc., Pomeranian Medical University in Szczecin, 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 Comparative effects of selected biostimulatory components on wound closure and morphology of human dermal fibroblasts 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 gemcytabine 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
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. Natalia Pińczuk, Polish Academy of Sciences, Poland, National Academy of Sciences of Ukraine, Ukraine
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 *Epilobium angustifolium* 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

FRIDAY, SEPTEMBER 4TH 2026

09:00–10:00	Visit to the Centre for Advanced Materials and Manufacturing Engineering (MATPRO), West Pomeranian University of Technology in Szczecin 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.)
11:00–17:00	Project Closing Meeting 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)