

Poster Presentations Wednesday, May 27th, 2026

No	Title	Authors
PP1	Advanced Liposomal Nanocarriers for Annamycin Delivery	Jerzy Gubernator, Marcin Mielecki, Marcin Ziemniak, Radosław Borowski, Angelika Kaczynska, Mariusz Olejniczak, Beata Pajak-Tarnacka
PP2	Therapeutic Potential of Berubicin in Primary and Metastatic Brain Tumors	Radosław Borowski, Angelika Kaczynska, Marcin Mielecki, Mariusz Olejniczak, Beata Pajak-Tarnacka
PP3	Cytotoxic Effects of IL-13RA2-Directed Immunotoxins in Cancer Cells	Angelika Kaczynska, Magdalena Ozga, Marcin Mielecki, Radosław Borowski, Mariusz Olejniczak, Beata Pajak-Tarnacka
PP4	WPD-103-(¹⁷⁷ Lu ³⁺): A Novel Targeted Theranostic Platform for IL-13Rα2-Positive Tumors	Marcin Mielecki, Damian Mielecki, Radosław Borowski, Marlena Kisiała, Mariusz Olejniczak, Magdalena Piękoś, Beata Pajak-Tarnacka
PP5	WPD ₄₀₁ : A Next-Generation Multireceptor-Targeted Cytotoxic Conjugate with Broad Antitumor Activity	Radosław Borowski, Marcin Mielecki, Katarzyna Donskov-Łysoniewska, Marta Maruszewska-Cheruiyot, Magdalena Głaczyńska, Kaja Urbańska, Małgorzata Krupska, Abhispita De, Mariusz Olejniczak, Angelika Kaczyńska, Beata Pajak-Tarnacka
PP6	Culture of tumoroids inside double emulsion droplets produced using a microfluidics-based bioprinter	Ronald Terrazas Mallea, Debjita Mukherjee, Jonathan Pullas Navarrete, Jan Guzowski
PP7	Membrane-Driven Modulation of Insulin Aggregation States: Impact of GM3-Containing Lipid Rafts and Zn ²⁺ on Insulin-Membrane Interactions	Joanna Juhaniewicz-Dębińska, Damian Dziubak
PP8	Physical Stabilisation of Gellan Gum by Musa sapientum and Functionalisation with Cucurbita maxima for Accelerated Wound Healing	Aji Suhartoyo, Dorota Chelminiak-Dudkiewicz, Miloslav Machacek, Klara Konecna, Puji Astuti, Sebastian Druzynski, Kinga Mylkie, Marta Ziegler-Borowska
PP9	Design, synthesis, and biological evaluation of Small-Molecule TMPRSS2 Inhibitors as potential candidate drugs for the treatment of COVID-19	Abdellach Yamani, Artur Łaszek, Paweł Maliszewski, Wojciech Krzemień, Yuliana Klimentova, Agata Mitkowska, Delfina Popiel, Filip Mituła, Marcin Równicki, Tomasz Kornatowski, Krzysztof Dubiel, Jerzy Pieczykolan, Maciej Wieczorek
PP10	The granatane-triazole hybrid molecules as dual acetylcholinesterase and β-secretase 1 inhibitors	Danuta Drozdowska, Artur Ratkiewicz, Ryszard Łażny, Cezary Parzych
PP11	The dual DNA binders/DHFR inhibitors bearing arylidene-hydrazinyl-1,3-thiazole scaffold as novel potential anticancer agents	Danuta Drozdowska, Marwa El-Wakil El-Wakil, Cezary Parzych, Artur Ratkiewicz
PP12	Haemoglobin as a Functional Modulator of Chlorin e6 Binding, Release, and Photodynamic Properties in Magnetic Chitosan Nanocarriers	Aleksander Smolarkiewicz-Wyczachowski, Dorota Chelminiak-Dudkiewicz, Kinga Mylkie, Anna Kaczmarek-Kędziera, Anna Ilnicka, Miloslav Machacek, Petr Zimcik, Marta Ziegler-Borowska
PP13	Training of State-of-the-Art Deep Learning Models With and Without Ambiguous Regions for Nuclei Instance Segmentation	Carmen Guadalupe Colin Tenorio, Amirreza Mahbod, Rupert Ecker, Alain Pitiot, Isabella Ellinger

PP14	Novel Synthetic Retinoids Inhibit Proliferation and Interfere with the Migration of Patient-Derived High-Grade Serous Ovarian Cancer Cells	Alice Keirle, Teresa Manhardt, Dan Cacsire Castillo-Tong, Geoffrey Brown, Andrzej Kutner, Giorgia Riso, Lukas Kenner, Enikoe Kallay, Martin Schepelmann
PP15	Targeting Retinoic Acid Receptor Gamma in Prostate Cancer	Giorgia Riso, Katarina Mišura, Kristina Draganić, Andrzej Kutner, Geoffrey Brown, Gerda Egger, Enikö Kallay, Martin Schepelmann, Brigitte Hantusch, Lukas Kenner
PP16	Ligand-Dependent Structural and Functional Investigation of the Human Vitamin D Receptor	Aqsa Jabeen, Marlena Kisiała, Marcin Ziemniak, Krzysztof Wozniak
PP17	Retinoic acid receptor gamma antagonism impairs stemness and promotes differentiation in Acute myeloid leukemia	Mathilde Rey, Dominika Mangabat, Aleksandra Marchwicka, Michał Majkowski, Monika Biernat, Dariusz Wołowicz, Geoffrey Brown, Ewa Marcinkowska
PP18	From Friedreich Ataxia to Leukaemia: Omaveloxolone Cooperates with Vitamin D Derivatives to Enhance Differentiation and Growth Arrest of Acute Myeloid Leukaemia Cells	Tanya Rudola, Andrzej Kutner, Michael Danilenko
PP19	Design, Synthesis, and Biological Evaluation of Side-Chain- and A-Ring-Modified Vitamin D Analogues	Mayur Kadam, Dominika Mangabat, Sharmin Nadkarni, Kaori Yasuda, Michał Chodyński, Krzysztof Krajewski, Olga Michalak, Joanna Tobiasz, Marek Kubiszewski, Giulia Preto, Toshiyuki Sakaki, Teresa Żołek, Andrzej Kutner
PP20	Targeting Retinoic Acid and Vitamin D Receptors to Enhance Chemotherapy Outcomes in Triple-Negative Breast Cancer	Magda MT. Góis, S. Seoane, E. Arias, B. Fernandez, M. Ares, A. Rapalo, N. Conde, E. Herrera, R. Perez-Fernandez
PP21	Decoupled Physical and Chemical Stability in Vitamin D ₂ and D ₃ Amorphous Solid Dispersions Prepared by Spray Drying and Ball Milling	Agnes Graf, Niamh O'Boyle, Lidia Tajber
PP22	Mechanistic Insight into Retinoic Acid Receptor-γ Regulation in Prostate Cancer	Linn Denison, Vesna S. Stanulović, Geoffrey Brown, Maarten Hoogenkamp
PP23	Simultaneous LC–MS Analysis of Structurally Diverse Antivirals and Their Metabolites in Human Plasma	Teodora Lupoi, Andrzej Kutner, Krzysztof Noworyta, Joanna Giebułtowitz
PP24	In silico analysis of vitamin D ₃ analogues within the heterodimer VDR-RXRα complex using AlphaFold3 and multi-algorithm docking	Aleksandra Tuzikiewicz, Andrzej Kutner, Teresa Żołek
PP25	AlphaFold-guided multi-algorithm docking of side-chain modified vitamin D ₂ analogues into the VDR-RXRα heterodimer	Wiktoria Wawrzyniak, Andrzej Kutner, Teresa Żołek
PP26	Rational design of molecularly imprinted polymer for sensitive and selective electrochemical detection of imatinib: synergy between computational modeling and electrochemistry	Agnieszka Powała, Paulina Materska-Wilczyńska, Edyta Gilant, Renata Rybakiewicz, Sekita, Krzysztof Noworyta, Teresa Żołek
PP27	Phase Behavior and Kinetic Stability of Amorphous mixture of two Antifungal APIs	WAHI NOOR

PP28	COMPARISON OF OVERWEIGHT AND OBESITY PREVALENCE AMONG YOUNG ADULTS IN 2013-2014 AND 2025.	Łukasz Jaroszewski, Sławomir Białek, Monika Czerwińska, Grażyna Nowicka
PP29	Synthesis and characterisation of N-noropiate derivatives containing amine or amide functionality in their side chain	Balázs Simon, Szabolcs Párkányi, Sándor Hosztafi
PP30	Assessment of Membrane Integrity and Membrane–Acceptor Compatibility in PAMPA Systems	Bárdos Vivien, Angi Réka, Balázs Panna
PP31	Influence of Pharmaceutical Polymers on the Solubility–Permeability Interplay of Curcumin	Rita Szolláth, Vivien Bárdos, Lili Weimann
PP32	pH-Controlled Glycoprotein Binding in Boronic Acid-Functionalized Starch Magnetic Nanomaterials	Kinga Mylkie, Dorota Chełminiak-Dudkiewicz, Aleksander Smolarkiewicz-Wyczachowski, Anna Ilnicka, Marta Ziegler-Borowska
PP33	Novel thienopyrimidine-based dually acting 5-HT ₃ /5-HT ₆ receptor antagonists with cytoprotective effect in human astrocytes	Michał Kamiński, Vittorio Canale, Grzegorz Satała, Paulina Koczurkiewicz-Adamczyk, Ophélie Bento, Severine Chaumont-Dubel, Dorota Żelaszczyk, Katarzyna Grychowska, Wojciech Trybała, Andrzej J. Bojarski, Philippe Marin, Paweł Zajdel
PP34	Novel Tiagabine-Based Modulators of the Cholinergic–GABAergic Axis: Design, Synthesis, and Biological Evaluation	Milena Gawlińska, Aleksandra Jopek, Olga Burzyńska, Anna Wróbel, Natalia Gucwa, Gniewomir Latacz, Barbara Mordyl, Monika Głuch-Lutwin, Paula Zaręba, Anna Więckowska, Dawid Panek, Beata Gryzło
PP35	Different types of substituents of the pyrazolo[1,5-a]pyrimidine core of CPL302415, PI3K inhibitor, and their influence on PI3K inhibition efficacy.	Mariola Stypik
PP36	Chitosan-based films crosslinked with hemoglobin and bovine serum albumin enriched with BODIPY for potential application in PDT	Karolina Kozerska, Aleksander Smolarkiewicz-Wyczachowski, Jarosław Piskorz, Marta Ziegler-Borowska
PP37	Integrated computational and experimental study of novel selective MMP-13 inhibitors	Remigiusz Płaczek, Tomasz Janek, Małgorzata Strzelecka, Piotr Świętek, Żaneta Czyżnikowska
PP38	Influence of extraction method on the inhibitory activity of fruit extracts against adenosine-metabolizing enzymes	Daria Berezovska, Simon Vlad Luca, Olga Świder, Agata Olędzka, Marcin Bryła, Monika E. Czerwińska
PP39	Development and Bioequivalence of a Novel, Titanium Dioxide- and Lactose-Free Dapagliflozin TZF film-coated tablets Formulation: A "Generic+" Approach	Paweł Żero, Karol Pniak
PP40	A Small Structural Change with a Big Impact: Hydrogen Bond Donor Reduction in the Optimization of DAW-AP-218	Aleksandra Jopek, Anna Pasięka, Jakub Jończyk, Milena Gawlińska, Olga Burzyńska, Anna Wróbel, Natalia Gucwa, Gniewomir Latacz, Barbara Mordyl, Monika Głuch-Lutwin, Paula Zaręba, Magdalena Smolik, Maria Walczak, Kinga Sałat, Anna Więckowska, Beata Gryzło, Dawid Panek
PP41	Curcuminoid chalcone derivatives – synthesis and biological activity profile	Dorota Olender, Katarzyna Sowa-Kasprzak, Anna Pawełczyk, Jacek Kujawski, Bartosz Skóra, Konrad A. Szychowski
PP42	Surface-supported polymer microparticles decorated with selenium nanoparticles as potential drug carriers.	Patrycja Wiewiórowska, Karolina Głowacka, Maria Sworzyńska, Katarzyna Wiktorska Maciej Mazur

PP43	Development of new nitrosation procedures – stress testing for the APIs to verify their stability with respect to the risk of forming NDSRI impurities.	Anna B. Witkowska, Katarzyna Łukowiak, Elżbieta U. Stolarczyk
PP44	Qualitative and quantitative analysis of supplements containing soy isoflavones using HPLC and NMR methods	Zeynep Durusoy, Agnieszka Zielinska
PP45	Analysis of immunoreactivity and expression of E-cadherin and p38 MAPK in prostate cancer	Maja Marku, Natalia Domian, Magdalena Smereczańska, Irena Kasacka
PP46	In Silico Investigation of the Mechanism and Structural Dynamics of CamA Methyltransferase	Mateusz Jędrzejewski, Dariusz Pisklak
PP47	Sustainable Mechanochemical Synthesis of Selected Atypical Antipsychotic Drugs	Arkadiusz Iskrzycki, Vittorio Canale, Michał Kamiński, Agata Kryczyk-Poprawa, Przemysław Dorożyński, Paweł Zajdel
PP48	Mechanosynthesis: a Sustainable Way to Obtain Antipoxviral Drug Tecovirimat on a Multigram Scale	Alicja Kacprzak, Arkadiusz Iskrzycki, Kinga Limanówka, Michał Woźniak, Amelia Oszczyk, Adam Mazur, Wojciech Trybała, Przemysław Szafranski, Vittorio Canale, Paweł Zajdel
PP49	Manufacturing Quality Assessment of PVA-Based Pharmaceutical Films: Microstructural Analysis and USP <905> Compliance Evaluation	Gintaras Matulis, Nataliia Herbina, Yuliia Maslii, Lauryna Pudžiuvelytė, Jurga Bernatoniene
PP50	GC/FID Method Development and Validation for Menthol Quantification in PVA-Based Pharmaceutical Films: Application to Content Uniformity Assessment	Gintaras Matulis, Jurga Bernatoniene
PP51	Capsaicin as a Stabilizing Agent for Volatile Terpene-Containing Pharmaceutical Films: Achieving USP <905> Compliance Through Formulation Optimization	Gintaras Matulis, Jurga Bernatoniene
PP52	Fungal polysaccharides used as a component of multilayer biomaterials	Joanna Zontek-Wilkowska, Agata Krakowska, Małgorzata Poliszak, Przemysław Dorożyński, Bożena Muszyńska
PP53	Laccase-catalyzed degradation of selected pharmaceutical active compounds in aqueous medium	Bartosz Kózka, Karolina Chudzik, Dominik Teodorowski, Syrine Matoussi, Joanna Giebułtowicz
PP54	Optimizing ring-opening polymerization with ethyl vanillate-magnesium catalysts for the precision synthesis of biomedical polyesters	Katarzyna Strzelecka, Magdalena Kłopotowska, Ada Lidia Stankiewicz, Paweł Horeglad, Marcin Sobczak, Ewa Olędzka
PP55	pH-Sensitive Polyurethane Hydrogels for Controlled Local Delivery of 5-Fluorouracil and Paclitaxel for Pancreatic Cancer Therapy	Adam Kasiński, Katarzyna Strzelecka, Joachim Frankowski, Matylda Kurzątkowska, Ada Stankiewicz, Martyna Chojnacka, Ewa Olędzka, Marcin Sobczak
PP56	Determination of elemental impurities using the Inductively Coupled Plasma Mass Spectrometry method in an active pharmaceutical ingredient used in the pharmacotherapy of neuropsychiatric disorders	Agnieszka Klusek, Ewelina Lewandowska, Wiktor Pyra, Michał Górka

PP57	Encapsulation Efficiency Assay for RNA-LNPs – application to stability assessment of formulations	Agnieszka Klusek, Kamil Adasiewicz, Ewelina Juszczyk, Patrycja Olejkowska-Podgórska, Agnieszka Śliwińska, Andżelika Bystrzejewska, Katarzyna Mróz, Karolina Kęska-Walus, Karolina Imiełowska, Wiktor Pyra, Michał Górka, Maciej Wieczorek
PP58	Pharmacokinetics of dual JAK/ROCK Inhibitor CPL'116 and its metabolite M ₃ in rheumatoid arthritis patients	Piotr J. Rudzki, Michał Kaza, Olga Czerepow-Bielik, Piotr Pankiewicz, Joanna Kogut, Martyna Banach, Agnieszka Segiet-Święcicka, Daniel Rabczenko, Maciej Wieczorek
PP59	In-study performance of LC-MS/MS method for the determination of ticagrelor in human plasma	Michał Kaza, Olga Czerepow-Bielik, Agnieszka Gierczak-Pachulska, Katarzyna Jarus-Dziedzic, Piotr J. Rudzki
PP60	Pharmacokinetics of the FGFR inhibitor CPL'110 in patients with solid tumors	Piotr J. Rudzki, Katarzyna Buś-Kwaśnik, Edyta Gilant, Edyta Pesta, Angelika Judycka-Giedronowicz, Aleksandra Stańczak, Maciej Wieczorek
PP61	Electromagnetic Field-Assisted Enhancement of Transdermal Delivery of Nonsteroidal Anti-Inflammatory Drugs	Paula Ossowicz-Rupniewska, Karolina Zyburtowicz-Ćwiartka, Karolina Bilska, Anna Nowak, Rafał Rakoczy