

Poster Presentations Friday, May 29th, 2026

No	Title	Authors
PP62	From Monolayers to Bilayers: Multitechnique Characterization of Anti-Inflammatory Drug Interactions with Model Intestinal Membranes	Michalina Zaborowska-Mazurkiewicz
PP63	Enhancing Antimicrobial Efficacy Against Methicilin Resistant Staphylococcus Aureus: Synergistic Combinations of a Novel Lipooligourea with Approved Antibiotics	Mateusz Nowak, Joanna Juhaniewicz-Dębińska, Anna Grudniak
PP64	Macroalgal Bioactives Extracted via Supercritical CO ₂ for Green Synthesis of ZnO Nanoparticles for Biomedical Applications	Katarzyna Łukowiak, Anna Witkowska, Elżbieta U. Stolarczyk
PP65	Novel dimethylamino-substituted pyrrolidine-2,5-diones with antiseizure and antinociceptive activity	Jakub Słota, Marcin Jakubiec, Michał Abram, Anna Rapacz, Szczepan Mogilski, Magdalena Kolasa, Nikola Gapińska, Gniewomir Latacz, Piotr Właż, Katarzyna Socała, Agata Faron-Górecka, Krzysztof Kamiński
PP66	Design, Synthesis, and In Silico Evaluation of Quinoline Derivatives as Potential Topoisomerase I and Cyclooxygenase 2 Inhibitors	Martyna Mysłək, Anna Wójcicka, Remigiusz Płaczek, Marcin Mączyński, Żaneta Czyżnikowska
PP67	Determination of Glycidol in Non-Opioid Medicinal Products by Gas Chromatography Coupled with Mass Spectrometry	Anna Konefał, Maria Jedynak, Marta Zezula
PP68	The determination of residual dimethylformamide and ethanol by HS GC in products with K2 vitamin	Maria Jedynak, Marta Zezula, Agata Pundyk
PP69	Dose-controlled delivery of an anti-inflammatory agent via multiple emulsions for radiotherapy-induced skin damage	Anna Wójtowicz, Patryk Skowroński, Ewa Dłuska, Agnieszka Markowska-Radomska
PP70	Discovery of novel AK4 inhibitors by high-throughput screening of natural compounds	Sandra Gajewska, Przemysław Zaręba, Natalia Kozień, Anna Ciarkowska, Michał Piotr Marszał, Magdalena Wujak
PP71	Impact of Selective Serotonin Reuptake Inhibitors on Doxorubicin-Induced Senescence	Krystian Małek, Anna Pogorzelska, Małgorzata Milczarek
PP72	Effects of Cornus mas and Hippophaë rhamnoides Fruit Extracts on Biochemical Parameters Associated with Metabolic Syndrome in Rats	Wiktoria Górecka, Daria Padewska, Marcin Bryła, Daria Berezovska, Magdalena Bamburowicz-Klimkowska, Monika E. Czerwińska
PP73	SELECTIVE LASER SINTERING IN PHARMACEUTICS: A PATH TOWARD PERSONALIZED MEDICINE	Magdalena Urbanowicz, Patrycja Chmielewska, Anna Mocarska, Karolina Pioruńska, Marta Łaszcz, Ewelina Baran, Piotr Kulinowski
PP74	The effect of magnetic fields on skin barrier permeability and the in vitro pharmacokinetic profile of ibuprofen	Anna Muzykiewicz-Szymańska, Karolina Zyburtowicz-Ćwiartka, Anna Nowak, Katarzyna Piotrowska, Łukasz Kucharski, Maciej Konopacki, Rafał Rakoczy, Paula Ossowicz-Rupniewska

PP75	Impact of Electromagnetic Fields on the Selective Accumulation of Naproxen in the Skin	Anna Nowak, Rafał Rakoczy, Karolina Zyburtowicz-Ćwiartka, Maciej Konopacki, Katarzyna Piotrowska, Anna Muzykiewicz-Szymańska, Łukasz Kucharski, Marian Kordas, Paula Ossowicz-Rupniewska
PP76	Immunostimulatory properties of selected compounds from <i>Chelidonium majus</i> latex	Igor Konieczny, Oskar Musidlak, Oliwia Mazur, Julia Sobkowiak, Alicja Warowicka, Robert Nawrot
PP77	Search for GPR18 agonists among alkyl and cycloalkyl derivatives of theophylline	Dorota Łażewska, Andhika B Mahardhika, Ewelina Honkisz-Orzechowska, Michał Załuski, Maria Kaleta, Filomena Perri, Grzegorz Baran, Christa E. Müller, Katarzyna Kieć-Kononowicz
PP78	Physicochemical and Computational Analysis of Potential Interactions Between Cisplatin and Proton Pump Inhibitors	Kamil Szupryczyński, Alicja Ulatowska, Beata Szeffler
PP79	Identification of Novel Non-Competitive Inhibitors of Human Adenylate Kinase 1 via Virtual Screening and Enzymatic Validation	Maja Mielcarz, Magdalena Grzegórska, Marta Karpień, Justyna Kalinowska-Tłuścik, Hanna Kaczkowska, Magdalena Wujak, Andrzej Wojtczak, Anna Kozakiewicz-Piekarz
PP80	Development of new antiseizure and antinociceptive agents in a group of modified pyrrolidin-2-one derivatives	Klaudia Stasiak, Michał Abram, Marcin Jakubiec, Anna Rapacz, Szczepan Mogilski, Magdalena Kolasa, Nikola Gapińska, Mirosław Zagaja, Aleksandra Szewczyk, Marta Anders-Mach, Gniewomir Latacz, Piotr Właź, Katarzyna Socała, Agata Faron-Górecka, Krzysztof Kamiński
PP81	Targeting Human Adenylate Kinase 1: Benzoisosenazolone Compounds as Novel Inhibitors	Anna Kozakiewicz-Piekarz, Magdalena Grzegórska, Maja Mielcarz, Magdalena Obieziurska-Fabisiak, Jacek Ścianowski, Andrzej Wojtczak
PP82	Enhancing Antibiotic Efficacy: A Small-Molecule Compound Active Against MRSA and Gram-Positive Pathogens in Diabetic Foot Infections	Artur Błaż, Michał Łucki, Joanna Budziaszek, Barbara Pucelik
PP83	Preparation and structural analysis of salts and cocrystals of Pyrimethamine with Vanillic Acid and analogues	Karolina Cichocka, Magdalena Ceborska, Anna Bajdas
PP84	Investigating the Complex Immunomodulatory Profile of Δ^9 -Tetrahydrocannabinol in a BV-2 Microglia Model of LPS-Induced Neuroinflammation	Ewelina Honkisz-Orzechowska, Beril Anita Yiğit, Katarzyna Kieć-Kononowicz
PP85	High-Throughput Approach to Cell-Based Permeability Assays	Michał Pacholski, Josip Mihalac, Paulina Chęsy-Roman, Astrid Milić
PP86	Proteomics at the core of multi-omics: Applications in drug safety and disease mechanisms	Andrzej Gawor, Ewa Bulska
PP87	Advancing drug safety assessment through integrated electrochemical and multi-omics technologies	Ewa Bulska, Olha Dushna, Andrzej Gawor, Leszek Pączek, Renata Bilewicz
PP88	Biodegradable Polyurethane Hydrogels for Localized Delivery of Fluorodeoxyuridine for Pancreatic Cancer Treatment	Adam Kasiński, Ada Stankiewicz, Joachim Frankowski, Matylda Kurzątkowska, Katarzyna Strzelecka, Martyna Chojnacka, Ewa Oledzka, Marcin Sobczak

PP89	Pharmacokinetics of Trametinib in Juvenile Patients with Refractory Histiocytic Neoplasms without BRAF Mutation or Following Vemurafenib Failure	Katarzyna Buś-Kwaśnik, Edyta Gilant, Edyta Pesta, Anna Raciborska
PP90	Pharmacokinetics of Vemurafenib in Juvenile Patients with BRAF-Mutated Histiocytic Disorders: Implications for Individualized Dosing	Edyta Gilant, Katarzyna Buś-Kwaśnik, Edyta Pesta, Anna Raciborska
PP91	New Triazole Derivatives to Combat Resistance in Fungal Pathogens	Michał Janowski, Sara Janowska, Monika Wujec, Oleg M. Demchuk
PP92	Comparative Structural Analysis of DYRK1A Inhibitors Reveals Diverse Modes of ATP-Pocket Recognition	Alicja Bis, Przemysław Grygier, Katarzyna Pustelny, Anna Czarna
PP93	EXPLORING PSIDIUM CATTLEYANUM PHENOLIC-RICH EXTRACTS AS INNOVATIVE DERMOCOSMETIC INGREDIENTS	Izabela Bielecka, Katarzyna Dos Santos Szewczyk, Sebastian Granica, Katarzyna Klimek, Arlindo Rodrigues Fortes
PP94	Evaluation of α -Lipoic Acid for Skin Applications: Permeation, Biological Activity and Safety Assessment	Małgorzata Wrzosek, Małgorzata Kołtun-Jasion, Ewelina Błońska-Sikora, Jakub Wawrzycki, Marta Klimek-Szczykutowicz, Katarzyna Kulik-Siarek, Sylwia Jarząbek-Perz
PP95	Disease-Specific Alterations in SAM, SAH, and the SAM/SAH Ratio: A Clinical Overview	Antonina Kutty, Arkadiusz Kocur, Bartosz Molasy, Małgorzata Wrzosek
PP96	Synergistic Application of In Situ Fourier Transform Infrared Spectroscopy, Microwave, and Ultraviolet Irradiation in the Optimized Synthesis of 1,5-Benzodiazepines	Alina Cherniienko, Kacper Kossakowski, Lucjusz Zaprutko, Roman Lesyk, Anna Pawełczyk
PP97	Blocking is the Past, Degradation is the Future: A New Direction for the (R)evolution of Cyclooxygenase-2 Targeted Drug Design	Kacper Kossakowski, Alina Cherniienko, Lucjusz Zaprutko, Anna Pawełczyk
PP98	Reusability of polyamide (PA12) in Selective Laser Sintering (SLS) of Drug Delivery Systems: A Technological and Safety Assessment	Klara Dorożyńska, Piotr Kulinowski, Ewelina Baran, Grzegorz Formicki
PP99	Patient-Oriented Formulation: Multistep Dry Processing Approach for Cariprazine Film-Coated Tablets	Maria Jędrzejewska, Mateusz Kaczmarek, Bartłomiej Kubiak
PP100	BAKUCHIOL: RELEASE KINETICS STUDY OF POORLY WATER-SOLUBLE COMPOUND FROM A HYDROGEL	Matylda Grzelecka, Paweł Siudem, Katarzyna Paradowska
PP101	Influence of Gastrointestinal Conditions on the Release of Hypericin, Hyperforin, and Rutin from St. John's Wort Tablets	Krzysztof Stępień, Joanna Giebułtowicz
PP102	Toward Non-Invasive Diagnostics: Salivary Metabolomics in Pediatric Inflammatory Bowel Disease	Sylwia Michorowska, Jan Bukowski, Marcin Dziekiewicz, Aleksandra Banaszekiewicz, Dorota Olczak-Kowlaczyk, Joanna Giebułtowicz

PP103	Saliva as a Non-Invasive Matrix for Metabolomic Profiling in Pediatric-Onset Multiple Sclerosis	Sylvia Michorowska, Małgorzata Bilka, Krystyna Szymańska, Dorota Olczak-Kowlaczyk, Joanna Giebułtowicz
PP104	Synthesis and Evaluation of Bioactive Zn-Fluorapatite Nanocrystals	Nikita Nechyporuk, Łukasz Pajchel, Joanna Kolmas
PP105	Cobalt-Doped Brushite as a Biologically Active Calcium Phosphate for Next-Generation Bone Substitute Materials	Wiktor Gregorowicz, Łukasz Pajchel, Joanna Kolmas
PP106	Synthesis and Physicochemical Characterization of Co ²⁺ /Cu ²⁺ -Doped Brushite for 3D Bio-Printed Bone Scaffolds	Tomasz Todryk, Wiktor Gregorowicz, Łukasz Pajchel, Joanna Kolmas
PP107	In search of novel strategies for treatment of schizophrenia: the development of PZ-2636 as dual 5-HT ₃ /5-HT ₆ receptor antagonist with promising antipsychotic and pro-cognitive properties	Michał Kamiński, Vittorio Canale, Natalia Malikowska-Racia, Joanna Gołębiowska, Grzegorz Satała, Ophelie Bento, Paulina Koczurkiewicz-Adamczyk, Wojciech Trybała, Katarzyna Grychowska, Magdalena Smolik, Severine Chaumont-Dubel, Andrzej J. Bojarski, Maria Walczak, Philippe Marin, Piotr Popik, Paweł Zajdel
PP108	Growth response and biodegradation potential of erythromycin and clarithromycin by <i>Schizophyllum commune</i>	Eliza Malinowska, Aleksandra Nycz, Filip Karlikowski, Zuzanna Jurek, Jadwiga Turło
PP109	Identification and characterization of polymorphic forms of PKL-021 - a very potent, orally available matrix metalloproteinase inhibitor	Katarzyna Sidoryk, Marek Masnyk, Łukasz Mucha, Marta Magdycz, Magdalena Tyszkiewicz, Stanisław Pikul
PP110	Nitrosodimethylamine in Metformin-containing products	Urszula Połaska-Chacińska
PP111	Physicochemical and Pharmaceutical Evaluation of Novel Furazidin Solid-State Form	Mikołaj Skwarek, Zbigniew Majka, Edyta Pindelska
PP112	Synthesis, characterization and biological evaluation of a tyrosinase inhibitor with antimelanoma potential	Edyta Pindelska, Zbigniew Majka, Hanna Naklicka, Izabela Madura