







Drug Discovery and Development from Basic Research to Clinical Trials PRAGUE, CZECH REPUBLIC, SEPTEMBER 2<sup>NO</sup> – 6<sup>TH</sup>, 2024

WWW.PRAGUESUMMERSCHOOL.CZ

## List of Posters, Prague Summer School 2024

	Family name	First name	Poster Title
P01	Adegeye	Ayomipo	A HIGH THROUGHPUT DIRECT-TO-BIOLOGY SCREENING PLATFORM FOR LRRK2 DEGRADERS
P02	Albini	Francesca	PEPTIDE FUNCTIONALIZATION OF NATURAL POLYSACCHARIDES FOR THE DEVELOPEMENT OF WOUND DRESSINGS
P03	Bach	Kathrin	SHARPENING THE POTENCY AND SELECTIVITY OF A- KETOAMIDE INHIBITORS TO TARGET RHOMBOID PROTEASES
P04	Barati	Vahid	DELIVERY OF HETEROCYCLIC DRUGS, ACIDS, PHENOLS, AND THIOLS VIA SELF-IMMOLATIVE LINKERS
P05	Boyraz	İlayda	THE INTERACTION OF CHICORIC ACID WITH CANCER – RELATED MOLECULAR TARGETS: AN EVALUATION OF IN SILICO ANALYSES
P06	Chatterjee	Rishita	UNTANGLING THE RELATIONS BETWEEN P53, PD-L1 AND AMPHIREGULIN, MIGHT OFFER COMBINATION THERAPY FOR EPITHELIAL OVARIAN CANCER
P07	Chavan	Rohit	SYNTHESIS OF ARYLFUCOSIDES AS DC-SIGN INHIBITORS
P08	Cherniakova	Marharyta	NEW MENTHOL-BASED (DEEP) EUTECTIC SOLVENTS AND THEIR EXTRACTION PROPERTIES TOWARDS METAL IONS
P09	Daněk	Ondřej	SYNTHESIS OF M2-SELECTIVE MUSCARINIC RECEPTOR AGONISTS FOR THE DEVELOPEMENT OF NEW ANALGESICS
P10	Dejmek	Milan	CYCLIC DINUCLEOTIDES WITH A VINYLPHOSPHONATE LINKAGE IN STING-MEDIATED CANCER IMMUNOTHERAPY
P11	Dohnálek	Jan	RHOMBOID PROTEASE RHBDL2 IS A SUPPRESSOR OF EGFR SIGNALING IN HUMAN KERATINOCYTES.
P12	Durydivka	Oleh	HEXAHYDROCANNABINOL (HHC) AND Δ9-TETRAHYDROCANNABINOL (Δ9-THC) DRIVEN ACTIVATION OF CANNABINOID RECEPTOR 1
P13	Faldynová	Hana	AI-NAVIGATED SOLUBILITY PREDICTION FOR DESIGN OF THERAPEUTIC PROTEINS
P14	Fomitskaia	Polina	SYNTHESIS OF AZA AND DISULFIDE DERIVATIVES: TARGETING LOW DIFFUSION RATES
P15	Garcia Rabaneda	Luis	PHOSPHATASES: A PRECISE STRATEGY TO DRUG THE UNDRUGGABLE
P16	Gracias Leone	Denise-Liu	DEVELOPMENT OF AN EFFICIENT PREFERENCE PROFILING METHOD FOR RHOMBOID PROTEASES

	ī	1	
P17	Gupta	Nitin	INVOLVEMENT OF IGF1R IN RESISTANCE TO KINASE INHIBITORS IN LUNG CANCER
P18	Gutierrez Quevedo	Cesar Eduardo	SYNTHESIS OF QUINOLINONE COMPOUNDS WITH POTENTIAL KINASE INHIBITORY ACTIVITY FOR THE TREATMENT OF RESPIRATORY DISEASES
P19	Herzog	Ella	ENHANCING TREG DEPLETING IMMUNOTHERAPY
P20	Huino	Bruno	PROTEIN DISCRIMINATION USING A PATTERN- GENERATING FLUORESCENT MOLECULAR PROBE
P21	Jafar	Tassadaq Hussain	IN-SILICO APPROACH TO MODULATING NAD+ SYNTHESIS THROUGH NAMPT AND NRK1 INTERACTION WITH PYRROLOQUINOLINE QUINONE (PQQ): POTENTIAL IMPLICATION FOR AGING
P22	Jindra	Marek	DISCOVERY OF SELECTIVE PRECISION INSECTICIDES VIA HIGH-THROUGHPUT SCREENING
P23	Kara	Ceren	EVALUATION OF THE AERODYNAMIC PARTICLE SIZE DISTRIBUTION (APSD) OF GLYCOPYRRONIUM USING DRUG-USE-SPECIFIC-ASSESSMENT (DUSA)
P24	Keydel	Tobias	MICROWAVE-ASSISTED SYNTHESIS OF ASYMMETRIC ACYLALS AS POTENTIAL PRODRUG MOTIFS FROM A GREEN CHEMISTRY PERSPECTIVE
P25	Kocek	Hugo	DISCOVERY OF HIGHLY POTENT SARS-COV-2 NSP14 METHYLTRANSFERASE INHIBITORS BASED ON ADENOSINE 5'-CARBOXAMIDES
P26	Kovalová	Anna	SYNTHESIS AND METABOLIC INCORPORATION OF MODIFIED SIALIC ACID FOR CELL LABELING
P27	Lytvyn	Nadiia	COMBATING ANTIBIOTIC RESISTANCE: DEVELOPING NEW MECHANISMS OF ACTION FOR ANTIBIOTICS
P28	Malina	Jakub Dávid	LYMPHATIC ABSORPTION OF DRUGS: WHERE WE ARE NOW?
P29	Marchenko	Kateryna	MULTICOMPONENT REACTIONS AS A SIMPLY WAY TO BIOLOGICALLY ACTIVE COMPOUNDS
P30	Mathers	Alex	DRUG-POLYMER COMPATIBILITY SCREENING VIA COSMO-RS: COMPUTATIONAL PREDICTION AND EXPERIMENTAL VERIFICATION
P31	Mikhnevich	Tatiana	AUTOCATALYTICALLY FORMED HIERARCHICAL MICROCOMPARTMENTS - A POTENTIAL DESIGN FRAMEWORK FOR DRUG DELIVERY?
P32	Nencka	Radim	VIRAL RNA METHYLTRANSFERASE INHIBITORS – FROM ENZYME STRUCTURE TO NEW POTENTIAL ANTIVIRALS
P33	Novotný	Vít	SYNTHESIS OF CHROMONE-BASED DC-SIGN INHIBITORS
P34	Ormsby	Tereza	TARGETING MYELOID CELLS AND MODULATION OF THEIR FUNCTION BY FULLY SYNTHETIC ANTIBODY MIMETICS
P35	Osifová	Zuzana	NMR SPECTROSCOPY: THE PASSPORT CONTROL IN A DRUG DEVELOPMENT
P36	Otava	Tomáš	INHIBITION OF VP39 2'-O METHYLTRANSFERASE IN MONKEYPOX VIRUS AS A PROMISING ANTIVIRAL STRATEGY
P37	Petrova	Eliska	IMIQUIMOD NANOSYSTEMS FOR ADVANCED DERMAL DELIVERY

P38	Ramírez-Cortés	Fabricio	SYNTHESIS OF ARYL MANNOSIDES FOR HETEROMULTIVALENT DC-SIGN-SPECIFIC TARGETING
P39	Sedlak	David	UNIQUE AND COMMON AGONISTS ACTIVATE THE INSECT JUVENILE HORMONE RECEPTOR AND THE HUMAN AHR
P40	Schulig	Lukas	ARBITRARILY FLEXIBLE PROTEIN-PROTEIN DOCKING USING HYBRID SOLVENT REPLICA EXCHANGE SIMULATIONS.
P41	Šimková	Adéla	HIGH-THROUGHPUT SAR REFINEMENT OF FIBROBLAST ACTIVATION PROTEIN INHIBITORS
P42	Sopher-Levy	llanit	SEXUAL DIMORPHISM IN SENESCENCE ACCUMULATION
P43	Šlachtová	Veronika	TRIAZINIUM SALTS IN BIOCONJUGATION AND IMAGING
P44	Storti	Claudia	MUCROPORIN-M1 ANALOGUES: SYNTHESIS, CONFORMATION AND STRUCTURE-ACTIVITY CORRELATION
P45	Subtelna	Ivanna	MACHINE LEARNING IN THE PREDICTION OF TUBULIN INHIBITION BY TIAZOLIDINE DERIVATIVES
P46	Švomová	Barbora	DYNAMICS OF INSULIN ON INSULIN RECEPTOR
P47	Szánti-Pintér	Eszter	MODULATION OF THE PHYSICOCHEMICAL PROPERTIES OF NEUROACTIVE STEROIDS BY SALT FORMATION
P48	Tkachenko	Iryna	THE DUAL-ACTION CHIMERA AMONAFIDAZENE WITH INTERCALATION AND METHYLATION PROPERTIES
P49	Tsyklauri	Oksana	CHEMICAL ENGINEERING OF IMMUNE CELL SURFACES FOR CANCER IMMUNOTHERAPY
P50	Vodolazhenko	Mariia	RE-DESIGN OF THE STEROID SKELETON FOR NOVEL AND ATYPICAL NMDAR INHIBITORS
P51	Volpin	Daniele	TARGETING WEST NILE VIRUS REPLICASES: NS3 AND HETERODIMERS INHIBITORS
P52	Wassenberg	Tobias	EFFICIENT SYNTHESIS OF NOVEL MERIOLINS WITH APOPTOSIS-INDUCING PROPERTIES
P53	Wichterle	Filip	TARGETING FIBROBLAST ACTIVATION PROTEIN IN CANCER: STRUCTURAL CHARACTERIZATION OF A NOVEL PEPTIDOMIMETIC
P54	Žvirblis	Mantas	INHIBITING AMYLOID-B AGGREGATION WITH FLUORINATED BENZENSULFONAMIDES