

Org.No.	Surname	Name	Title
P 01	Alexandrova	Liudmila	New 4-Modified cytidines: synthesis and evaluation as antimicrobial agents
P 02	Alibayov	Babek	Application of NAD captureSeq on viruses
P 03	Baszczyński	Ondřej	Phosphonoacetate analogues of adenosine 5'-diphosphate ribose (ADPR): probes for the Transient Receptor Potential (TRP) cation channel TRPM2
P 04	Benoni	Roberto	Mapping of m1A in the viral RNA
P 05	Berger	Florence	Fluorescent Modified Guanine Nucleotides to Probe Frameshift Mutations in DNA
P 06	Boháčová	Soňa	Nucleotides Bearing Photocleavable Groups for DNA Photocaging
P 07	Bood	Mattias	A highly emissive adenine analogue with promising properties for microscopy
P 08	Brehova	Petra	Synthesis of acyclic nucleoside phosphonates with unnatural heterocyclic bases bearing aryl substituents and their inhibitory activity towards bacterial and human adenylate cyclases
P 09	Brzezińska	Jolanta	Thermo-controlled Device in Orthogonal Protection Strategy for Bioconjugate Synthesis
P 10	Cechova	Lucie	5-Azopyrimidines: Synthesis and NMR study of their photochemical behavior
P 11	Cesnek	Michal	Synthesis and evaluation of novel acyclic nucleoside phosphonates with unnatural nucleobases as potent inhibitors of Bordetella pertussis adenylate cyclase toxin
P 12	Chmielewski	Marcin	Stereoselective Cyclisation and Diastereoisomeric Purification of 3-(Pyridin-2-yl)-1-phenyl-(1,3,2)oxazaphospholidine Formed from a Thermolabile Protecting Group
P 13	Croce	Stefano	EdU DetectPro
P 14	Debart	Francoise	2'-O-modified siRNA by disulfide-containing groups in a prodrug approach
P 15	Drenichev	Mikhail S.	Synthesis and antiviral activity of N6-substituted adenosine derivatives

P 16	Ebenryter-Olbinska	Katarzyna	Synthesis and physicochemical characterization of antisense oligonucleotides modified with boron clusters
P 17	Ermert	Susanne	Development of ATP-based Signaling Molecules
P 18	Esposito	Anna	Synthesis and Biological Evaluation of D- and L- Cyclohexenyl Nucleosides
P 19	Évéquoz	Damien	Exploring the backbone topology of DNA: the 7',5'-bicyclo-DNA system
P 20	Fantoni	Nicolo	Artificial Metallo-Nucleases for Gene Editing
P 21	Fignole	Klavdja	Synthesis and biophysical properties of C(6')-modified tricyclo-DNA analogs
P 22	Fojta	Miroslav	Utilization of Catalytic Hydrogen Evolution in Electrochemical Analysis of Modified Nucleic Acids
P 23	Frei	Sibylle	Synthesis and Properties of Novel Fluorinated Bicyclic Nucleosides and Oligonucleotides
P 24	Gadakh	Bharat	Pharmacophoric importance of the adenine base in aminoacyl-sulfamoyl analogues (aaSAs)
P 25	Gasser	Catherina	Syntheses of S-adenosylmethionine (SAM) analogues – Towards alternative ligands for SAM riboswitches
P 26	Gołębiewska	Justyna	A new, efficient entry for the preparation of nucleoside 5'-phosphoramidates - as new substrates for the synthesis of biologically active nucleoside 5'-diphosphates
P 27	Güixens-Gallardo	Pedro	Synthesis of new fluorescent nucleosides through the Knoevenagel condensation and related reactions.
P 28	Hagiwara	Kenta	Reusable Enzymatic Production System for Artificial Nucleic Acids
P 29	Höbartner	Claudia	Fluorescence activating RNA aptamers
P 30	Hockova	Dana	Acyclic nucleoside phosphonates: Inhibition and structural investigations of Trypanosoma brucei 6-oxopurine phosphoribosyltransferases
P 31	Hudeček	Oldřich	Development of capturing technique for 5'-diphosphate RNA
P 32	Jankowska-Anyszka	Marzena	Synthesis and potential application of new double-functionalized dinucleotide mRNA cap analogues

P 33	Jastrzebska	Katarzyna	P-stereodefined homopurine chimeric [All-RP-PS]-DNA#LNA oligomers recruit Hoogsteen-paired DNA templates to form thermally stable parallel complexes
P 34	Jemielity	Jacek	5' mRNA Cap Analogs for Efficient Translation and Specific Labeling of mRNA in Living Cells
P 35	Kaiser	Martin Maxmilian	Acyclic nucleoside phosphonates with (S)- and (R)-HPEP moiety as monomers for the synthesis of modified oligonucleotides
P 36	Kaniowski	Damian	Anti-EGFR silencing activity of antisense oligonucleotides labeled with boron clusters
P 37	Khandazhinskaya	Anastasia	Novel 5'-Norcarbocyclic Nucleoside Analogues As Antibacterial Agents
P 38	Kirillova	Yuliya	Synthesis of polyanionic β -PNAs derived from L-Glu
P 39	Klejch	Tomáš	Acyclic nucleoside phosphonates bearing Favipiravir as a nucleobase: Potential inhibitors of hypoxanthine-guanine phosphoribosyltransferase
P 40	Koćmik	Ilona	Synthesis and biological evaluation of dinucleotide analogues of 5' end of the mRNA modified at the N2 and C2' (C3') positions of 7-methylguanosine
P 41	Kočíšek	Jaroslav	DNA Binding Radiosensitizers and Low Energy Electrons
P 42	Kropp	Heike	Unraveling the interactions between a modified primer and KlenTaq DNA polymerase - on a structural level
P 43	Kryńska	Paulina	Reversible functionalization of sulfur containing guanosine derivatives
P 44	Lange	Sandra	Exploring Interaction Partners of Diadenosine Triphosphate
P 45	Lehner	Maike	Synthesis and Investigation of Cell-Permeable NAD ⁺ Analogs
P 46	Leitner	Kim	DNA polymerase-based systems for site-specific sensing of the presence or absence of DNA modifications
P 47	Luo	Min	Expanding the Antiviral Spectrum of Fluorinated Acyclic Nucleoside Phosphonates (FPMPs): Diamyl Aspartate Amidate Prodrugs
P 48	Maciaszek	Anna	P-Diastereomers of the oxathiaphospholane derivatives of N6-methyl-2'-deoxyadenosine and N2,N2-dimethyl-2'-deoxyguanosine-discriminators of Watson-Crick interactions in parallel triplexes.

P 49	Mairhofer	Elisabeth	Towards the efficient synthesis of arginine-containing peptidyl-tRNA mimics
P 50	Manicardi	Alex	Crosslinking Peptide Nucleic Acids (PNAs) for DNA targeting
P 51	Matyašovský	Ján	2-Substituted dATP Derivatives as Building Blocks for Polymerase Catalyzed Synthesis of DNA Modified in the Minor Groove
P 52	Matyugina	Elena	Design and synthesis of novel fleximers
P 53	Mikhailov	Sergey	Synthesis of purines from nucleosides: ribose as a blocking group
P 54	Milisavljevic	Nemanja	Enzymatic synthesis of base-modified RNAs
P 55	Morvan	Francois	Double Oxime Ligation for the Synthesis of Circular Oligonucleotides
P 56	Muttach	Fabian	Novel AdoMet analogues as tools for enzymatic transfer of photo-crosslinkers and capturing RNA-protein interactions
P 57	Nautiyal	Manesh	Biological and structural analysis of base modified nucleosides as aminoacyl adenylate analogues inhibiting tRNA synthetases
P 58	Negrya	Sergey	Synthesis and biological properties of modified 2'-deoxyuridines with broad spectrum of antimicrobial activity
P 59	Olszewska	Agata	Development of reactive groups for DNA-protein cross-link information
P 60	Oslovsky	Vladimir	Synthesis and antiviral activity of new N6-benzyladenosine analogues with acetylene linker
P 61	Panattoni	Alessandro	Competitive primer extension of base-modified dNTPs in the presence of natural dNTPs.
P 62	Perlikova	Pavla	Mechanism of action of 7-(2-thienyl)-7-deazaadenosine (AB61), a potent cytostatic
P 63	Pieczyk	Karolina Ewa	Synthesis and potential application of new double-functionalized dinucleotide mRNA cap analogues
P 64	Ploschik	Damian	Enzymatic Synthesis and Copperfree Bioorthogonal Labeling of Cyclopropene-modified Oligonucleotides by the Use of Inverse Electron Demand Diels-Alder Cycloaddition
P 65	Pozmogova	Galina	A THF-based modification induces antiparallel to parallel conformational switches in G4 DNA

P 66	Promontorio	Rossella	Exploration of new chemical space through the synthesis of sp ³ -enriched bridged bicyclo compounds
P 67	Promontorio	Rossella	Crystal structure of an intramolecular telomeric DNA G-quadruplex-ligand complex
P 68	Rachwalak	Marta	Synthesis of nucleoside 5'-diphosphates and their tio- and seleno analogues using H-phosphonate chemistry
P 69	Rahimoff	René	A novel probe for the MS/MS-based detection and quantification of abasic site intermediates in genomic DNA
P 70	Ravn	Jacob	Conjugation and linker strategies for LNA SSO delivery
P 71	Räz	Michael	Torsional Constraints of DNA Substrates Impact Cas9 Cleavage
P 72	Reichle	Valentin Frederik	Biosynthetic isotope labeling reveals dynamics of the epitranscriptome and novel modified nucleosides
P 73	Reisacher	Ulrike	Copper-free, Bioorthogonal and Postsynthetic Labeling of Nucleic Acids
P 74	Richard	Jean-Alexandre	Synthesis of dihydroxanthene near-infrared emitting fluorophores and their water-soluble analogues
P 75	Romanowska	Joanna	Exploring new anti-HIV prodrugs – nucleoside 5'-diphosphates
P 76	Rydzik	Anna	Crosslinking strategies for capturing nucleic acid – protein interactions
P 77	Saha	Subham	Noncovalent Spin Labeling of Unmodified RNA: The Aptamer Approach
P 78	Schiffers	Sarah	Quantitative LC-MS provides no evidence for m6dA or m4dC in the genomes of mouse ESCs and tissues
P 79	Schmidt	Olivia Paula	A Fluorescent Base Analog Reveals High Kinetic Stabilities of T-HgII-T Base Pairs that Inhibit DNA Dynamics and Polymerase Activity
P 80	Schneider	Christina	Ubiquitous non-canonical RNA nucleosides are vestiges of the early Earth
P 81	Sherstyuk	Yuliya	ADP conjugates as potential PARP-1 inhibitors
P 82	Shin	Dongwon	Novel N1-Substituted Pseudouridine 5'-Triphosphates for the Synthesis of Modified mRNA and its Effect on mRNA Translation in THP-1 cells
P 83	Simonova	Anna	Phenothiazine as new oxidizable label for electrochemical detection of DNA
P 84	Skácel	Jan	Design and Synthesis of Potential HG(X)PRT Inhibitors Based on Polysubstituted Thiophenes: Utilization of Direct Metalation of Heterocycles.

P 85	Slator	Creina	Di-Copper Complexes Promote NCI-60 Chemotherapy by Intracellular Superoxide and Singlet Oxygen Facilitated DNA Damage
P 86	Slavíčková	Michaela	Synthesis of hydrophobic derivatives of 2'-deoxyadenosine and DNA
P 87	Soudah	Terese	PNA-peptide conjugates as splice switching oligonucleotides (SSO) of the MnK2 gene
P 88	Stazzoni	Samuele	Quantification of 5-formylcytosine in specific genomic sites
P 89	Šimonová	Anna	Studies of methylation of viral RNA
P 90	Špaček	Petr	Acyclic nucleoside bisphosphonates with asymmetric scaffold as inhibitors of Plasmodial and human 6-oxopurine phosphoribosyltransferases
P 91	Tichý	Michal	Synthesis and Biological Activities of Thieno-fused 7-Deazapurine Ribonucleosides
P 92	Varizhuk	Anna	New benzothiazole-derived dyes for staining of non-canonical DNA
P 93	Walczak	Sylwia	Triazole-modified dinucleotides as 5' mRNA cap mimics and reagents for mRNA modification
P 94	Wanat	Przemyslaw	Nonhydrolyzable pyrene-excimer NTP-based molecular probes
P 95	Watanabe	Yurika	Water-Soluble Nucleotide Analogue (WSNA) with a Flexible Backbone-Containing Guanidinium Groups
P 96	Witkowska	Agnieszka	Chemical Switch in 2-Pyridinyl Thermolabile Protecting groups methodology
P 97	Zatsepin	Timofey	Specificity of SNP detection with molecular beacons is improved by stem and loop separation with spacers