

Poster #	Title	First Name	Last Name	Afilliation
	Small-activating RNA therapy development for the inherited genetic			
P001	disorder Aniridia	Lina	Abdul Kadir	University of Liverpool
P002	The Role of GW182 Proteins in Mediating Off-Target Activity of GalNAc-siRNAs	Saket	Agarwal	Alnylam Pharmaceuticals
P003	Improving Yield by Optimizing Loading and Surface Area of CPG Solid Supports	Shireen	Ahmed	LGC Biosearch Technologies
P004	Nuclear Localization Interferes with siRNA targeting of Mutant Huntington	Sarah	Allen	UMass Chan Medical School
P005	Bicyclic peptide transferrin receptor 1 ligands conjugated to oligonucleotide therapeutics improve potency in skeletal and cardiac muscle	Brooke	Anderson	Ionis Pharmeuticals
1005		brooke	Anderson	ions marmedicais
P006	Assessing hybridization dependent off-target risk for therapeutic oligonucleotides – updated recommendations	Patrik	Andersson	AstraZeneca R&D
	Knockdown of hyperactivated LRRK2 by splice-switching antisense oligonucleotide (SSO)-mediated activation of nonfunctional			
P007	pseudoexons	Brage	Andresen	University of Southern Denmark
	Optimized splice-switching oligonucleotide-mediated knockdown of			
P008	XDH for the treatment of Gout	Priya	Aneja	Deep Genomics Inc
P009	microRNAs enhance dendritic cell reprogramming	Nejc	Arh	Molecular Medicine and Gene Therapy, Lund Stem Cell Centre, Lund University
P010	Impurity analysis of phosphoramidites for producing oligotherapeutics	Darwin	Asa	Thermo Fisher Scientific
5014	Control of the Assembly and Disassembly of Spherical Nucleic Acids is	lathau a	Archer	MacCill Linearcia
P011	Critical for Enhanced Gene Silencing	Jathavan	Asohan	McGill University
P012	RNA-seq-based Nucleic Acid Therapeutics lead optimization	Nadine	Assmann	Axolabs GmbH
	CHEMICAL MODIFICATION OF OLIGONUCLEOTIDES FOR			
P013	THERAPEUTIC AND DIAGNOSTIC APPLICATIONS	Anna	Aviñó	IQAC-CSIC
P014 - V	Personalized Antisense Oligonucleotides for Pitt-Hopkins syndrome	Shalhevet	Azriel	Sheba Medical Center
P015	Tissue pharmacokinetics of antisense oligonucleotides	Erica	Bäckström	AstraZeneca
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	An Integrated Assessment of Systemic Effects from Intrathecal			
P016	Administration of 2'-O-Methoxyethyl-Modified Antisense Oligonucleotides	Brenda	Baker	Ionis Pharmaceuticals, Inc
P017	Fluorine-Modified Antisense Oligonucleotides Targeting the C9orf72 Repeat Expansion in C9FTD/ALS	Halle	Barber	McGill University
P018	ASO delivery via a TfR-binding transport vehicle achieves widespread and functional biodistribution in non-human primates	Scarlett	Barker	Denali Therapeutics
P019	Selection of relevant species for a nonclinical program of an antisense oligo	Nuria	Barquero	ARTHEx Biotech
	Antisense oligonucleotides targeting an oncogenic mitochondrial long non-coding eca-ASncmtRNA to inhibit equine skin tumor cells			
P020	proliferation	Eric	Barrey	Université Paris-Saclay, INRAE, AgroParisTec
P021	Optimization of the Deprotection Scheme for 5'Triphosphate RNA Oligonucleotides	Jennifer	Bartels	TriLink Biotechnologies
	Bifunctional antisense oligonucleotides - potential in reduction of			
P022	invasive phenotype of cancer cells	Natalia	Bartyś	Institute of Bioorganic Chemistry PAS
	Advancements in Targeted Oligonucleotide Therapeutics for Splicing			Institute of Pharmaceutical Sciences, Department of Chemistry and Applied
P023	Correction in Erythropoietic Protoporphyria Thrombin-Binding Aptamer (TBA) Derivatives with One or Two	J. Philipp	Becker	Biosciences, ETH Zürich
P024	Additional G-Tetrads: Properties and Potential Antiproliferative Activity	Daniela	Benigno	University of Naples Federico II. Departmen Pharmacy
	Targeting SARS-CoV-2 Genome Structure With Delivery-Enabled			
P025	Morpholino Oligos	Scott	Bittner	Oregon State University
	Next Generation RNAi Therapeutics using Three Stranded RNAi			
P026	Technology	Craig	Blanchette	Switch Therapeutics
P027	LncRNA Specific Considerations for Design and Optimization of ASOs for Therapeutic Development and Translation	Ana	Silva	HAYA Therapeutics SA
P028	Purification Strategy Development for Oligonucleotides	Kayla	Borland	AstraZeneca
P029	Enhancing RNA-Based Therapies: Optimized In-House Oligonucleotide Synthesis for in vitroScreening	Brianna	Bramato	UMass Chan Medical School
	Upregulation of PGRN by ASOs targeting an upstream open reading			
P030	frame	Johannes	Braun	Roche Innovation Center Basel RNAhub



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	Validation of therapeutic siRNAs in hiPSc-derived FTDP-17 neuronal			
P031	model of tauopathy	Ilaria	Brentari	University of Trento
P032	de novo Synthesis of Nucleosides and Nucleoside Analogues	Robert	Britton	Simon Fraser University
				Neuromuscular and Neurogenetic Disorders o
	RNA editing by recruiting endogenous ADAR using circular RNA guides to correct a hotspot of dominant-negative glycine substitutions			Childhood Section, National Institute of Neurological Disorders and Stroke, National
P033	causing collagen VI-related dystrophies	Astrid	Brull	Institutes of Health
	Exploring the role of GalNAc-siRNA mediated knockdown of key liver			
	ischemia-reperfusion injury targets and impact on transcriptomic			RNA Therapeutics Institute, UMass Chan Med
P034	signature	Julianna	Buchwald	School
P035	Adapting AIMer-based RNA editing technology for application in CNS	Michael	Byrne	Wave Life Sciences
1035	Augung Anner based have eating teenhology for appreador in evo	Witchder	byme	
P036	Effect of antimiR-23b on a knee OA rat model	Isabella	Castano	ARTHEx Biotech
	Extended Nucleic Acid (exNA): A Platform Technology for Enhancing			
P037	siRNA Efficacy and Tissue Accumulation in Vivo	Jillian	Caiazzi	UMass Chan Medical School
P038	Predicting novel splicing variants of SYNGAP1 using machine learning predictors: implications for therapeutic oligonucleotides	Keri	Callegari	Deep Genomics
	Expression of Mutant Cardiac Sarcomeric Proteins Via Viral Vector in			
P039	Human Engineered Heart Tissue	Stuart	Campbell	Yale University
	Identifying novel siRNA guide strand 5'-end modifications for			
	enhanced chemical stability, potency, and extrahepatic in vivo RNAi			
P040	activity	Theodore	Carrigan-Broda	UMass Chan Medical School
P041	BigRNA: A Large Neural Network Enabling Accurate Oligonucleotide Design and Variant Effect Predictions	Albi	Celaj	Deep Genomics
				Department of Clinical Sciences, Oncology,
P042	Triterpenes as a novel class of endosomal escape enhancers for siRNA	Myriam	Cerezo-Magaña	Faculty of Medicine, Lund University
DO (2)	Enhanced muscle uptake of chemically optimized miR-23b antisense	Estates (Comments	A she cu D'a ta sh
P043	oligonucleotides as lead compounds for myotonic dystrophy	Estefanía	Cerro-Herreros	Arthex Biotech
P044	PYC-001, a peptide-conjugated phosphorodiamidate morpholino oligomers for the treatment of autosomal dominant optic atrophy	Tracy	Chai	PYC Therapeutics
P045	Aptamer-based kit for the quantification of a specific microorganism	Pauline	Chevalier	DPM UMR 5063 UGA CNRS



P046				
P046				
P046	Bioorthogonal Conjugate Platform Development for In vivo Gene			Korea Advanced Institute of Science and
	Editing and Therapy	Hyun Jung	Chung	Technology (KAIST)
	Tethering chemistry modulates accumulation, distribution, and			University of Massachusetts Chan Medical
P047	efficacy of divalent siRNA in the CNS	David	Cooper	School
	Investigating peptide nucleic acids (PNAs) as antimicrobial agents			
P048	against Fusobacterium nucleatum	Valentina	Cosi	HIRI
	Isoform-specific siRNAs: A potential therapeutic approach for 4R			University of Trento, Department of Cellula
P049	tauopathies.	Giuseppina	Covello	Computational and Integrative Biology (CIB
	Isoform-specific siRNAs: A potential therapeutic approach for 4R			University of Trento, Department of Cellula
P050	tauopathies.	Giuseppina	Covello	Computational and Integrative Biology (CIB
	Unraveling Trinucleotide Repeat Disorders: Somatic Instability, Gene			
P051	Expression, and Oligonucleotide Therapeutics	Raul	Cuellar	Karolinska Institutet
	The next generation Phosphorodiamidate Morpholino Oligomers: Design and synthesis, biophysical properties and intracellular			
P052	trafficking.	Arnab	Das	Indian Association for the Cultivation of Scie
	VO659, a CAG repeat-targeting ASO, blocks translation of polyQ proteins in a CAG repeat length dependent and allele preferential			
P053	manner	Rudie	Weij	VICO Therapeutics
	In vivo metabolic stability, strand-bias and silencing activity of GalNAc- conjugated siRNAs carrying phosphorothioate linkage-free sense			
P054	strands	Dhrubajyoti	Datta	Alnylam Pharmaceuticals
	Investigating Chemically-Modified Short Activating RNAs to Increase			
P055	Nuclease Stability and Gene Activation	Jean-Paul	Desaulniers	Ontario Tech University
	Comprehensive assessment of potential hybridization-dependent off- target effects of ATX-01 including In Silico, In Vitro and In Vivo			
P056	evaluation	Ana	Díaz-Maqueda	Arthex Biotech
	Subcellular characterization of lipid nanoparticle-mediated cytosolic			Department of Clinical Sciences, Division fo
P057	mRNA delivery	Hampus	Du Rietz	Oncology, Lund University
	Advancing High-Throughput Quantitative Gene Expression Analysis			
P058	with a CRISPR/Cas9-Enabled Reporter System	Sarah	Duellman	Promega Corporation
	Exploring the potential of a novel albumin-binding amphiphilic			RNA Therapeutics Institute - UMass Chan
P059	conjugate for improved siRNA delivery	Hassan	Fakih	Medical School



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	Antisense oligonucleotides targeting the SARS-CoV-2 genome to			Université Paris-Saclay, INRAE, AgroParisTec
P061	inhibit viral replication	Christopher	Fitzpatrick	GABI
	Genetically separating the roles of the m6A methyltransferase			University of Texas Southwestern Medical
P062	METTL16 in SAM homeostasis and U6 snRNA methylation	Juliana	Flaherty	Center
	Development of a novel SOD1 antisense therapy for SOD1-linked and			
P063 - V	sporadic ALS	Loren	Flynn	Perron Institute
	Use of HPLC to investigate isomeric impurity profiles of			
P064	oligonucleotides	Pilar	Franco	Chiral Technologies Europe
	Assessing the Safety of Antisense Oligonucleotides Through			
P065	Interrogating Changes in the RNA- Binding Proteome.	Alex	Fulton	MRC Toxicology Unit, University of Cambridg
	Identification and comparison of the intracellular protein partners of			
	different chemistries and design of antisense oligonucleotides by an			
P066	AP-MS (affinity purification mass spectrometry) approach	Aris	Gaci	Université Paris-Saclay, UVSQ, Inserm, END-
	3-base long 2'-O-Methyl oligonucleotides are potent TLR7 and TLR8			
P067	modulators	Michael	Gantier	Hudson Institute of Medical Research
DOCO	Sequence-dependent modulation of viral-driven inflammation by a	M	Cartin	
P068	non-targeting 2'-O-Me gapmer oligonucleotide	Michael	Gantier	Hudson Institute of Medical Research Drug Metabolism and Pharmacokinetics,
				Research and Early Development,
P069	Plasma pharmacokinetics of N-acetylgalactosamine-conjugated small interfering ribonucleic acids (GalNAc-conjugated siRNAs)	Peter	Gennemark	Cardiovascular, Renal and Metabolism (CVR BioPharmaceuticals R&D, AstraZeneca
F009		relei	Gennemark	
P070	Exploring the Different Aspects of Morpholino Oligonucleotides to Overcome the Therapeutic Barriers.	Atanu	Ghosh	Indian Association for the Cultivation of Scie
	A side by side comparison of poptide delivered estimates a stillation			Holmholtz Institute of DNA have diafertities
P071	A side-by-side comparison of peptide-delivered antisense antibiotics employing different nucleotide mimics	Chandradhish	Ghosh	Helmholtz Institute of RNA-based Infection Research
	Litilizing click chemistry to robustly link Ga-corrole to siBNA for dual			
P072	Utilizing click chemistry to robustly link Ga-corrole to siRNA for dual therapeutic cancer therapy effect.	Ifrodet	Giorgees	University of Ontario Institute of Technology
	Translating Genetic information into Target Validation Tools with			Medicinal Chemistry, Research and Early Development, Respiratory and Immunology
P073	Antisense Oligonucleotides	Felix	Gnerlich	(R&I), BioPharmaceuticals R&D, AstraZenec
	Counteracting reactive oxygen species in models of Duchenne muscular dystrophy improves antisense-oligonucleotide mediated			Leiden University Medical Center, departme
P074	dystrophin recovery	Remko	Goossens	Human Genetics
	Investigating the impact of dystrophin restoration in the central			
P075	nervous system of dystrophic mouse models	Aurélie	Goyenvalle	Université Paris-Saclay, UVSQ, Inserm, END



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P076	Enabling ribosome profiling for drug discovery	Nicola	Guzzi	Discovery Sciences, R&D, Astrazeneca
	Investigational WVE-006, an RNA editing oligonucleotide for the			
P077	treatment of Alpha-1 antitrypsin deficiency	Cynthia	Caracta	Wave Life Sciences
P078	Towards Allele-Selective Gapmer ASO design	Emilio	Harris-Mostert	Department of Clinical Genetics, Erasmus MC
	·····			
	Allele-specific targeting strategies for polyglutamine spinocerebellar			German Center for Neurodegenerative Disea
P079	ataxias by antisense oligonucleotides in iPSC-derived models	Stefan	Hauser	(DZNE)
P080	Targeted delivery and functional validation of siRNA via purified extracellular vesicle	Xinjun	Не	Vesicure Therapeutics
1000		Angun	iie iii	
	Improving APOBEC3 oligonucleotide inhibitors using sugar and			RNA Therapeutics Institute, University of
P081	phosphate modifications	Adam	Hedger	Massachusetts Chan Medical School
0082	Positional Impact of siRNA Chemical Modification Patterns on Ago	Comuni	l lildebreed	LIMass Chan Madical School
P082	Loading Efficiency	Samuel	Hildebrand	UMass Chan Medical School
	Selective tumour cell killing with novel modular antibody-conjugate			
P083	using self assembling nanostructures	Tina-Thien	Но	University of Southampton
				University of Tübingen, Interfaculty Institute
P084	De novo Protein Interactome Profiling of Oligonucleotide Drugs	Daniel	Hofacker	Biochemistry
P085	Investigating the Effects of Nuclear RNAi on Genome Stability	Cristina	Hofman	UT Southwestern Medical Center
	PGN-EDODM1 Nonclinical Data Demonstrate Mechanistic and			
	Meaningful Activity for Potential Treatment of Myotonic Dystrophy			
P086	Type 1 (DM1)	Ashling	Holland	PepGen Inc.
	Single- and Repeat-Dose Nonclinical Data for PGN-EDO51			
P087	Demonstrate Potential for the Treatment of Duchenne Muscular Dystrophy (DMD)	Jaya	Goyal	PepGen Inc.
	Three Novel Enhanced Delivery Oligonucleotide Candidates for			
	Duchenne Muscular Dystrophy Mediate High Levels of Exon 53, 45,			
P088	and 44 Skipping	Ashling	Holland	PepGen
	Enhanced Delivery Oligonucleotide (EDO): Characterization of nuclear			
P089	uptake that enabled engagement with target transcripts and show activity	Jaya	Goyal	PepGen Inc
P090	Withdrawn			



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P091	RNase H1 Involvement in cEt ASO-Induced Toxicity in the CNS	Jill	Hsiao	Ionis Pharmaceuticals
	Exploring antisense oligonucleotide strategy for CDKL5 deficiency			Division of Genetics and Genomics, Boston
P092	disorder	Yu-Han	Huang	Children's Hospital
	Increasing specificity of microRNA 34a for its target HNF4 α mRNA for			
P093	treatment of cancer	Ting	Huang	Karolinska Institutet
P094	Expanding genomic diversity of in vitro cellular models for robust discovery of therapeutic oligonucleotides	Martin	Jacko	Aperture Therapeutics
1054		Wartin	Jucko	
P095	Withdrawn			
	Mechanistic Origin of ADAR Inhibition by Site-specific LNA			
P096	Modification in RNA Editing Substrates	Victorio	Jauregui-Matos	University of California, Davis
	Preclinical development of VIO-01, a pan-DDR DNA decoy mediating			
P097	DNA repair abrogation and unleashing the anti-tumor immune response.	Wael	Idov	Valerio Therapeutics
P097		waei	Jdey	
	Is continued genetic toxicology testing of therapeutic oligonucleotides			
P098	containing well precedented modifications warranted?	Lene	Jensen	Novo Nordisk
P099	Visualization of lipid nanoparticle disintegration and localized endosomal membrane damage	Johanna	Johansson	Department of Clinical Sciences, Section fo Oncology and Pathology
D 400	TraffikGene: a novel platform for nucleic acid delivery based on			Universidad de Continue de Compostela
P100	amphiphilic peptide carriers	Marisa	Juanes	Universidad de Santiago de Compostela
	Complete Restoration of Mucociliary Transport in Primary Ciliary			
P101	Dyskinesia Patient Cells with Therapeutic Oligonucleotides	Silvia	Kreda	The University of North Carolina
P102	Visualizing the interaction between anti-miRNA oligonucleotide and target miRNA using FRET	Yukiko	Kamiya	Kobe Pharmaceutical University
				Department of Immuno-Oncology at Beck
B.4.05	Targeted NFkB decoy oligodeoxynucleotide as a radiation sensitizer			Research Institute at City of Hope
P103	for human B-cell lymphoma	Damian	Kaniowski	Comprehensive Cancer Center
	DeepMirBind: A Deep Learning Approach for MicroRNA Target Site			
P104	Prediction and Design of Upregulation Oligonucleotides	Bhargav	Kanuparthi	Deep Genomics



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	Meta-analysis: Similar pharmacokinetics and tissue distribution of five			
P106	GalNac-conjugated siRNAs administered IV or SC to mice	Ditte	Karpf	Novo Nordisk
	Heteroduplex oligonucleotide technology that enables mitigation of			Department of Neurology and Neurological
P107	neurotoxicity by antisense oligonucleotides	Maho	Katsuyama	Science, Tokyo Medical and Dental Universit
	Sequence-Controlled Spherical Nucleic Acids: Gene Silencing,			
P108 - V	Encapsulation, and Cellular Uptake	Sepideh	Kaviani	McGill University
	Investigations into mRNA LNP shelf-life stability under non-frozen			
P109	conditions	Michael	Keller	F. Hoffmann-La Roche
	Propensities of Fatty Acid-Modified ASOs: Self-Assembly vs Albumin			
P110	Binding	Michael	Keller	F. Hoffmann-La Roche
	Scalable One-Pot Liquid Phase Oligonucleotide Synthesis Enhanced By			UCD School of Chemical and Bioprocess
P111	Organic Solvent Nanofiltration	Ronan	Kelly	Engineering
	The Endosomal Escape Vehicle (EEV™) Platform Enhances the Delivery			
P112	of Oligonucleotides to Skeletal and Cardiac Muscle	Mahboubeh	Kheirabadi	Entrada Therapeutics
				Department of Biomedical Sciences, Carlson
	Evaluation of Linker Chemistry in Peptide-Conjugated Morpholino			College of Veterinary Medicine, Oregon Stat
P113	Oligos	Mahsa	Khoshbakht	University
	Exhaustive off-target profiling of gapmers with Target Variant			
P114	Sequencing	Łukasz	Kiełpiński	Roche Pharma Research and Early Developr
				Department of Convergent Bioscience and
	Enhancer RNAs stimulate Pol II pause release by harnessing			Informatics, Chungnam National University
P115	multivalent interactions to NELF	Seung-Kyoon	Kim	(CNU)
				Department of Convergent Bioscience and
				Informatics, Chungnam National University
P116	Functional coordination of BET family proteins in brain plasticity	Seung-Kyoon	Kim	(CNU)
	Trafficking and Target Gene Knockdown of Antisense Oligonucleotides			
P117	Delivered by an Oligonucleotide Transport Vehicle (OTV)	Chaeyoung	Kim	Denali Therapeutics, Inc.
D110	Development of a novel cell-penetrating asymmetric siRNA platform	lune throw	Deale	
P118	for targeting extrahepatic organs	June Hyun	Park	OliX Pharmaceuticals, Inc.
D110	Synthesis of a ligand-conjugated ASOs library based on the Ugi	Buocules	Kita	Graduate School of Pharmaceutical Science
P119	reaction and exploration for novel ligands suitable for delivery of ASOs	пуозике	Kita	Osaka University
	Distracting DNA Binding Proteins Using Lipid Conjugated	1	1	



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D424	With design			
P121	Withdrawn			
	Oligonucleotide-Based Telomere Disruptor for Therapy of			
P122	Hematologic Malignancies	Marcin	Kortylewski	Beckman Research Institute at City of Hope
P123	RNA ACTIVATION OF A TRANSCRIPTION FACTOR INDUCES TERMINAL DIFFERENTIATION OF BLOOD CANCER IN PRECLINICAL STUDIES	Olivia	Kovecses	McGill University
D 424	Precision siRNA-based Immunosuppression for Graft-versus-Host	A	Kananan	11-11-12-11
P124	Disease	Anastasia	Kremer	Uniklinikum
P125	Small circular interfering RNAs (sciRNAs)	Jayanta	Kundu	Alnylam Pharmaceuticals
P126	Evaluation of KD activity by systemic and local administration using branched lipid conjugated siRNA	Norikazu	Kuroda	SHIONOGI & Co., Ltd
	Inhibition of SARS-CoV-2 by siRNA targeting the leader sequence and			
D127	and development of bioprinted lung models for the study of virus	1	Kumali	Tachaicsha Uni Barlin
P127	biology	Jens	Kurreck	Technische Uni Berlin
P128	Human in vitro toolbox for ASO-screening and neurotoxicity studies	Marlen	Lauffer	Leiden University Medical Center
P129	Evaluation of modified nucleic acid analogues for splice modulation	Вао	Le	Murdoch University
D120	Inhibition of GDNF family receptor α -like (GFRAL) expression in the	Minhoo	1.00	THOR therapeutics, 701, W1, 99 Daehak-ro,
P130	hindbrain by RNA-targeted therapeutics	Minhee	Lee	Yuseong-gu
P131	Threose Nucleic Acid – a potential next generation sugar chemistry	Meiling	Li	Roche Innovation center Basel
				Roche Pharma Research and Early Development, Therapeutic Modalities, RNA Therapeutics,
P132	Stereodefined Phosphorodithioate LNA gapmers - Investigating discovery strategies and pharmacological properties	Meiling	Li	Roche Innovation Center Basel, F. Hoffmann-La Roche
D422	Regenerative medicine for Parkinson's disease using splice-switching	Durahui		
P133	antisense oligonucleotides	Dunhui	Li	Murdoch University
	Therapeutic development of saRNA for Duchenne muscular dystrophy			
P134	by targeted activation of utrophin	Long-Cheng	Li	Ractigen Therapeutics
P135	siRNA-ACO is a convenient modality for target mRNA knockdown in CNS tissue via local injection	Robert	Place	Ractigen Therapeutics



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	First States and Destantial Destantian with SMTD COM 45 a March			
	Exon Skipping and Dystrophin Production with ENTR-601-45, a Novel EEV-Conjugated, Exon 45 Skip Amenable PMO in Preclinical Models of			
P136	DMD	Xiang	Li	Entrada Therapeutics
	Dynamin-2 (DNM2) targeting antisense oligonucleotides as a potential			
P137	treatment for centronuclear myopathy (CNM)	Noa	Liberman-Isakov	Sarepta Therapeutics
D120	Olizzantian A Pranizian Annuach far siDNA Dalium	Natalia	Dec Vinc	
P138	Oligocarrier: A Promising Approach for siRNA Delivery	Natalie	Bao Ying	Nanyang Technological University
	Systemic treatment with a lipophilic-conjugated antimiR-23b rescues			
	functional and molecular phenotypes of DM1 cognitive dysfunction in			
P139	the DMSXL mice.	Beatriz	Llamusi	Arthex Biotech
				Division Translational Genomics of
	Comprehensive, scalable development of patient-customized ASOs			Neurodegenerative Diseases, Hertie-Institu
P140	for ataxia teleangiectasia	Clemens	Lochmann	Clinical Brain Research
	Evaluation of antisense oligonucleotides targeting DMPK through			Nucleic Acid Therapeutics for Rare Diseases
P141	digital PCR and in-cell western techniques.	Andrea	Lopez-Martinez	RD), Biobizkaia Health Research Institute
	Deep learning-based design of cell-targeting ligands enables			
P142	functional siRNA delivery in multiple extrahepatic tissues	Ку	Lugo	Nosis Bio
	Iminothioindoxyl-C-Nucleoside Based Quencher Systems for			
P143	Oligonucleotide Applications	Larita	Luma	Goethe University
	Multiplex immunoassay for spatial and quantitative interrogation of			
P144	siRNA activity, delivery, and trafficking	Michael	Ly	Janssen
	Transcript-selective induction of translational readthrough across			
P145	disease-causing premature stop codons	Sandeep	Eswarappa	Indian Institute of Science
	Construction for the DNA has The Down Mark			
P146	Spacer Fidelity Assessments of Guide RNA by Top-Down Mass Spectrometry	Luis	Macias	Verve Therapeutics
	Targeting exonic cryptic splice variants in neurological disease by			Division for Translational Genomics of
P147	patient-customized splice modulation ASOs: the example of Ataxia Telangiectasia	Aline	Mack	Neurodegenerative Diseases, Hertie-Institu Clinical Brain Research, University of Tuebir
1 14/		A diffe	IVIDEN	ennear brain Research, Oniversity of Tuebli
D140	A chemical approach toward 2-fluoro-6-amino purine- and iso-	A image of the		Alaudaan Dhaanna aauti l
P148	guanine-containing oligonucleotides	Mimouna	MADAOUI	Alnylam Pharmaceutical
	Evaluating gene editing for the treatment of erythropoietic			
P149	protoporphyria	Eva-Maria	Manz	ETH Zurich
	Delivery of Oligonucleotide Therapeutic Drugs: Universal Detection]		
P150	Reagents Specific for Nucleic Acid Modifications	Carl	Ascoli	Rockland Immunochemicals, Inc.



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P151	Splice-switching antisense oligonucleotides correct PAH exon 11 skipping defects that cause phenylketonuria	Ainhoa	Martinez-Pizarro	Centro de Biología Molecular Severo Ochoa
P152	Unleashing the Future: Pioneering new Ionizable Lipids and LNP Formulations enable targeted oligonucleotide delivery with outstanding in vivo performance	Diego	de Miguel	Certest Biotec
P153	RNA Targeting of Predictive Biomarkers for Efficacy of Cytarabine in Acute Myeloid Leukemia Therapeutics	Bruktawit	Maru	McGill University
P154	Silence of the fish: Injection of photoswitchable short interfering RNA oligonucleotides into Japanese medaka embryos (Oryzias latipes) to reversibly photochemically control gene silencing	Makenzie	Mateus	Ontario Tech University
P155	Exploring an antisense oligonucleotide exon-skipping therapeutic strategy for Mucolipidosis II	Liliana	Matos	Research and Development Unit, Department o Human Genetics, INSA
P156	Polycyclic Light-activatable Molecular Beacons	Vivien	McKenney	Goethe University
P157	Development of TTX-MC138, a First-In-Class miRNA-10b-Targeted Therapeutic Against Metastatic Cancers of Diverse Primary Disease Origins	Zdravka	Medarova	TransCode Therapeutics, Inc.
P158	Utilization of a Pharmacokinetic (PK) Model for STK-001 in Patients with Dravet Syndrome (DS) To Support the Selection of Dosing Regimens in Clinic	Meena	Meena	Stoke Therapeutics
P159	Genome-wide CRISPR screen to uncover protein modulators of melanoma-targeted ASOs	Grégory	MENCHON	INSERM - OSS U1242
P160	In silico and in vitro investigation of gene targetability and knockdown kinetics by LNA-modified antisense oligonucleotides	Sven	Michel	Secarna Pharmaceuticals GmbH & Co. KG
P161	Non-B DNA in Friedreich's Ataxia as target for anti-gene therapeutic oligonucleotides.	Salomé	Milagres	Department of Laboratory Medicine, TRACK, Karolinska Institutet, Karolinska University Hospital Institutet
	Divalent Cation Buffering of Oligonucleotides for CNS Delivery			
P162	Prevents Neurotoxicity Anti-tumor nucleic acid delivery to the tumor site by RION of nucleic	Rachael	Miller	UMass Chan Medical School
P163 P164	acid nanoparticle Artificial intelligence-based nonlinear sequence environment encapsulation yields robust native context therapeutic siRNA potency prediction algorithm	Noriko Kathryn	Miyamoto	1247, yachigusa, yakusa RNA Therapeutics Institute, UMass Chan Medi School
P165 - V	Antisense Oligonucleotides for Ultra-Rare Diseases – A Multidisciplinary Approach, From Patient to Treatment	Nofar	Mor	Sheba Medical Center, Wohl Institute of Translational Medicine



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P166 - V	Exploiting antisense oligonucleotides and the RNAi pathway to suppress esophageal cancer cells	Sharif	Moradi	Royan Institute for Stem Cell Biology and Technology
F100 - V		5110111	Woradi	Technology
P167	A Novel Approach for Site-Specific RNA Methylation Using Short Modified Oligonucleotides	Štefan	Moravčík	ЕТН
	Large-scale expansions of Friedreich's ataxia GAA•TTC repeats in an			
P168	experimental human system: role of DNA replication and prevention by LNA-DNA oligonucleotides and PNA oligomers	Negin	Mozafari	Karolinska Institutet
		-0		
	Therepoutic targeting of a MicroDNA is Duchoppe Muccular			Elense Therapoutics Inc. and University of
P169	Therapeutic targeting of a MicroRNA in Duchenne Muscular Dystrophy and Heart Failure	Anders	Naar	Elenae Therapeutics, Inc. and University of California, Berkeley
	Heteroduplex oligonucleotide technology boosts splice switching activity of morpholino in a Duchenne muscular dystrophy mouse			Department of Neurology and Neurological Science, Graduate School of Medical and De
P170	model	Tetsuya	Nagata	Sciences, Tokyo Medical and Dental Univers
	Clinical proof of concept for anti-FGF2 aptamer therapy in exudative age-related macular degeneration: phase 1 and phase 2 trials in			
P171	treatment-naïve and anti-VEGF pretreated patients	Yoshikazu	Nakamura	IMS University of Tokyo
	Comprehensive approach to upregulate and stabilize frataxin mRNA			
P172	using antisense oligonucleotides	Marek	Napierala	UT Southwestern Medical Center
	Customized DNA Origami for Delivery of Therapeutic Oligonucleotides: Overcoming Challenges and Unlocking New			Institute for Advanced Chemistry of Catalon
P173	Therapeutic Avenues	Natalia	Navarro	(IQAC-CSIC)
	Employing antisense oligomers to repress the genotoxic activity of			Institute of Molecular Infection Biology,
P174	colibactin producing E. coli	Sarah	Nentwich	University of Würzburg
	AJIPHASE [®] Liquid-Phase Manufacturing Process and Ajico's Original			
P175	Enzyme-Based Biotechnology for High-Purity siRNA Synthesis	Anna	Niwa	Ajinomoto Co., Inc.
	Studies of interactions between aptamers/antibodies and bacteria by			
P176	flow cytometry	Juliette	Nourry	UGA
	Implementation of SplintR ligation qPCR as novel bioanalytical method			
	for tissues quantification of oligonucleotide therapeutics for the			
P177	expansion of the Evotec oligonucleotide drug discovery platform	Јасоро	Oieni	Aptuit, an Evotec company
				Department of Chemistry and Biotechnolog
P178	Oncolytic Hairpin Nucleic Acid Pairs	Akimitsu	Okamoto	The University of Tokyo
	Investigating the biophysical properties and in vivo activity of 7',5'-	_		
P179	alpha-bicyclo-DNA backbone antisense oligonucleotides	Remya	Raghavan-Nair	NATA



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P181	Pan-coronavirus siRNA effective against SARS-CoV-2	YI-CHUNG	CHANG	Oneness Biotech Company
	Assessment of Subtle HOS Changes in Oligonucleotide Therapeutics			
P182	Using High-Throughput Circular Dichroism Spectrometer HTCD Plus and a program qHOS	Taiji	Oyama	JASCO Corporation
1 102	and a program drives	Tuji	Oyunu	
	Elucidating the targets for improving the delivery of ASOs through			
P183	genetic screens	Anwit	Pandit	MRC Toxicology Unit, University of Cambridge
P184	OligoPhore and SemaPhore: deLIVERING therapeutic RNA	Covadonga	Paneda	Altamira Therapeutics
P185	Liquid Phase Oligonucleotide Manufacture by Nanostar Sieving	Catalina	Parga	Exactmer
			-	
	Uptake of chemically modified antagomirs by lung relevant cell	_		
P186	systems.	Clement	Paris	AstraZeneca
	Therapeutic development of OLX702A for NASH with Fibrosis and			
P187	Obesity	June Hyun	Park	OliX Pharmaceuticals
	Development of cell-penetrating asymmetric siRNA therapeutics by			
P188	leveraging advanced ocular platform technology against various retinal diseases	June Hyun	Park	OliX Pharmaceuticals
P189	Explainable AI: Designing better molecules to become drugs	Lykke	Pedersen	Abzu
1105		Lynne		
	Advancing In Vivo modeling and delivery systems for triplet repeat expansion-mediated corneal endothelial dystrophy: Implications for			
P190	AntimiR therapy.	Diego	Piqueras-Losilla	ARTHEx Biotech
P191	Withdrawn			
P192	A global search for high-susceptibility targets of programmable RNA antibiotics	Linda	Popella	Institute of Molecular Infection Biology (IMIB), University of Wuerzburg
P193	Developing Antisense Oligonucleotide-based Therapy for Osteosarcoma	Pol Hori	Poudel	CMMIT, Murdoch University
L T 22		Bal Hari	rouuel	
	Preclinical evaluation of JAK2 specific investigational oligonucleotide			
P194	for the treatment of MPNs	Bartlomiej	Przychodzen	Vanda Pharmaceuticals Inc.
	A Distform for Controlled Template Independent Forumatic Surtherin			
P195	A Platform for Controlled Template-Independent Enzymatic Synthesis of RNA Oligonucleotides	Dominic	Rainone	EnPlusOne Biosciences



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				Cancer Research Center and Wohl Centre fo
P196 - V	Developing ASO Treatment for a Bainbridge-Ropers Syndrome Patient	Shaul	Raviv	Translational Medicine, Sheba Medical Cent
P197	The drug discovery journey for a patient with Dup15q Syndrome	Roxana	Redis	Charles River Laboratories
	Development of an in vitro panel for neurotoxicity assessment of drug	_		
P198	discovery candidates	Roxana	Redis	Charles River Laboratories
	Exploring the stability of RNA-based delivery scaffolds in diverse			
D100	biological matrices: methodology and implications for platform	1	Device	Sinfeld Disseignes
P199	development	Laura	Reyes	Sixfold Bioscience
				Turnini and a state state
P200	"Preclinical development of gapmers against a new therapeutic target in Myotonic Dystrophy"	Natalia	Riedel	Translational Genomics Group, BIOTECMED University of Valencia
	,			
	Characterization of immunestimulatory potential of LNA-modified			
P201	antisense oligonucleotides	Irene	Riera Tur	Secarna Pharmaceuticals GmbH & Co. KG
P202	RNAi-Mediated Silencing of SOD1 as a Therapy for ALS	Iris Valeria	Rivera Flores	Umass Chan Medical School
	Synthesis, Characterization, and Biological Evaluation of Novel 3-			
P203	Component Lipid Nanoparticles for mRNA Delivery	Joshua	Robinson	UT Southwestern Medical Center
	Amide-Modified Oligonucleotides for Chemical Control of Functional			
P204	RNAs	Eriks	Rozners	Binghamton University
P205	Chemically modified microRNA mimics as oligonucleotide therapeutics: a case-study on miR-200c.	Anna	Rydzik	AstraZeneca
1 203			Nyuzik	
	Deviauring the Deletionship Detugent Nuclearity Characteries			Institute of Pharmaceutical Sciences,
P206	Reviewing the Relationship Between Nucleotide Structure and Desirable Characteristics	Sebastian	Sjöström	Department of Chemistry and Applied Biosciences, ETH Zürich
P207	Red-light Controlled Regulation of Therapeutic Oligonucleotides	Marlen	Sahlbach	Goethe University
	Targeted Delivery of Therapoutic Olice decivery decides to			
	Targeted Delivery of Therapeutic Oligodeoxynucleotides to Plasmacytoid Dendritic Cells via Complexation with Natural β -(1 \rightarrow 3)-D-			
P208	Glucan (SPG)	Kazuo	Sakurai	University of Kitakyushu
	Development of anti miR-21 oligonucleotide consisting of only SNA, an			
P209	acyclic artificial nucleic acid	Fuminori	Sato	Grad. Sch. of Eng., Nagoya Univ.
			1	1



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P211	Genome editing in mouse embryos at the single-cell stage uncovers previously undetected off-target sites and demonstrates distinct mutational profiles in individually edited cells	Niklas	Selfjord	Translational Genomics – Genome Engineering, Discovery Sciences, BioPharmaceuticals R&D Unit, AstraZeneca
P212	Non viral based CRISPR-Mediated Gene Editing Strategies for Duchenne Muscular Dystrophy	Arun	Shastry	Dystrophy Annihilation Research Trusr
P213	Nusinersen for Spinal Muscular Atrophy Type I with Chronic Respiratory Failure: A Retrospective Study in South Korea	Hui Jin	Shin	Severance Hospital
P214 - V	Personalized Allele-Specific ASO treatment for GNAO1- Neurodevelopmental disorder	Inna	Shomer	Sheba Medical Center
P215	Inhibition of Oligonucleotides Through Selective Photo-Tethering	Fabian	Sinsel	Goethe University
P216	In vitro identification and efficacy of AIC468, a direct-acting anti-viral oligonucleotide against BK virus	Iris	van Wissen	Hybridize Therapeutics
P217	Biodistribution of the 2'Ome PS ASO AIC468 in Mouse and Minipig	Janneke	Kouwenberg	Hybridize Therapeutics
P218	Potential ASO treatment for CMT2S caused by IGHMBP2cryptic splice variant.	Sandra	Smieszek	Vanda Pharmaceuticals
P219	RNA therapy with TfR aptamer enhanced blood-brain barrier penetration for brain metastasis from Triple-negative Brest Cancer	Minsun	Song	Beckman Research Institute of City of Hope
P220	Enhanced upregulation of SCN1A using oligonucleotides with different mechanisms of action	Jack	Stahl	University of Miami Center for Therapeutic Innovation
P221	Validation lab: allowing standardized in vitro and in vivo experiments for candidate treatments for Duchenne muscular dystrophy	Tiberiu	Stan	Leiden University Medical Center
P222	Development of LC-MS-based analytical methods for comprehensive identification and quantification of impurities and metabolites of GalNAc-conjugated siRNA	Yuchen	Sun	Division of Medicinal Safety Science, National Institute of Health Sciences
P223	Efficient Method Development and Identification of Oligonucleotides Therapeutics Impurities	Risa	Suzuki	Shimadzu Corporation
P224	Development of self-amplifying mRNA (Replicon) vaccine against COVID-19 and other applications	Kiyoshi	Tachikawa	Arcturus Therapeutics, Inc.



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	A novel circular RNA-based therapeutical platform for infectious and			
P225	non-infectious diseases	Marc	Talló-Parra	noctuRNA Therapeutics S.L.
8226	RNAi-based modulation of JAK1 for the treatment of inflammatory	0.	T = 1 = 2	University of Massachusetts Chan Medical
P226	skin diseases	Qi	Tang	School
	VO659, a CAG repeat-targeting ASO, induces skipping of ATXN3 exon			
P227	10 resulting in a truncated protein lacking the disease-causing polyglutamine domain in SCA3	Janwillem	Testerink	VICO Therapeutics
	Pharmacokinetics and biodistribution of Oligonucleotide Transport Vehicle (OTV) using ultra-sensitive, plate-based bioanalytical			
P228	methods.	Mai	Thayer	Denali Therapeutics, Inc.
P229	Novel Methods for Sustainable Oligonucleotide Synthesis	James	Thorpe	McGill University
P230	A G-quadruplex-Forming ASO to reduce Monoamine Oxidase B in Parkinson's disease	Marc-Antoine	Turcotte	University of Sherbrooke
1200			Turbotte	
	Topical administration of siRNA therapeutics via STAR particles for			RNA Therapeutics Institute, University of
P231	dermatological intervention	Mohammad	Zain Ul Abideen	Massachusetts Chan Medical School
	Exon-skipping ASO targeting the MuSK-BMP pathway to increase			
P232	Adult Hippocampal Neurogenesis	Anne	Valat	Bolden Therapeutics
P233	Targeting MeCP2-Associated Disorders with miRNA Site-Blocking Oligonucleotides	Amanda	Vanderplow	Loyola University Chicago
1255	ongoine condes	Andrida	Vanacipiow	
	Polo-like kinase 1-targeting RNA interference prodrugs against			
P234	childhood cancer	Daria	Varyvoda	Karolinska Institutet
	Investigating the interactions of oligonucleotide phosphorothioate			
P235	groups with RNA-binding proteins	Mathilde	Vincent	ETH Zürich
	The novel design strategy of DNA-artificial nucleic acid chimera			
P236	toward enhancement of RNA cleavage activities: application for COVID-19 therapeutics	Takehiko	Wada	IMRAM, Tohoku Univ.
F230		Taketiiku	waua	
	Exploring small RNA isoforms as a treatment for Idiopathic Pulmonary			
P237	Exploring small KNA isoforms as a treatment for idiopathic Pulmonary Fibrosis (IPF)	Johnny	Wang	Gatehouse Bio
	Development of a UNC13A Cryptic Exon Skipping Antisense			
P238	Oligonucleotide as a Treatment for ALS & FTD	Wen-Hsuan	Chang	AcuraStem



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P240	Inventing Novel CRISPR-Cas9 Alternatives for Therapeutic Applications	Adam	White	Wake Forest University School of Medicine
P241	Evaluation of antisense oligonucleotide therapy for neurodevelopmental disorders	Kim	Wijnant	Donders Institute for Brain, Cognition and Behaviour, Radboud University Medical Cen
P242	Process for developing optimized siRNA conjugates for in vivo delivery.	sean	McCauley	Advirna
P243	RISC PK Profile of 5'p-antisense strand in wildtype mouse shows good correlation with RISC-PK/ PD in AAV-HBV mouse model	Rui	Xu	Janssen Research & Development
P244	Higher-Order Structure (HOS) Analysis of CBN-Binding DNA Aptamer using CD Spectroscopy	Ai	Yamane	JASCO Corporation
P245	Morpholino/RNA heteroduplex via CSF route boosts splice switching activity without compromising safety	Mitsugu	Yanagidaira	Tokyo Medical and Dental University
P246	From rodents to non-human primates, development of heteroduplex oligonucleotides to overcome CNS-toxicity of ASO with intrathecal injection.	Kotaro	Yoshioka	Department of Neurology and Neurological Science, Tokyo Medical and Dental Universi
P247	From Molecular Target to Aptamer Drug Discovery towards US-FDA Orphan Drug Designation	Yuanyuan	Yu	Law Sau Fai Institute for Advancing Translat Medicine in Bone and Joint Diseases (TMBJ) Hong Kong Baptist University
P248	Exon-inclusion strategies for PLP1-associated hypomyelination of early myelinating structures	Bianca	Zardetto	Department of Human Genetics, Leiden University Medical Center
P249	Retroelement Profiling Reveals Diagnostic and Therapeutic Opportunities in Neurodegenerative Disorders	Boxun	Zhao	Boston Children's Hospital
P250	Retroelement Profiling Reveals Diagnostic and Therapeutic Opportunities in Neurodegenerative Disorders	Boxun	Zhao	Boston Children's Hospital
P250	A High-Throughput, Hypothesis-Free Screening Platform for Precise Delivery of Nucleic Acid Therapeutics via Conjugates	Omer	Ziv	Eleven Therapeutics
P251	Efficacy of customized Antisense Oligonucleotide Treatment for CLN7 Batten Disease: A Postmortem Analysis.	Aikaterini	Chatzipli	Division of Genetics and Genomics, Boston Children's Hospital
P253	Utilizing RNA Hacking Technique to Suppress Gene Expression Levels	Yousuke	Katsuda	Kumamoto University
	Induced cellular uptake of antisense oligonucleotide via Transient			Graduate School of Pharmaceutical Science



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P255	A new strategy for DMD exon skipping with RNA-DNA hetero-G4 structure inducing ASOs	Ryo	lwase	Department of Neurology and Neurological Sciences, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University
1200				
P256	Effect of bridged nucleic acid introduction on the flexibility of oligonucleotides	Tomoka	Akita	Faculty of Frontiers of innovative Research in science and technology, Konan university
P257	Strategy of chemical modification to overcome late-onset neurotoxicity of gapmer antisense oligonucleotide	Takayuki	Kuroda	Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University
P258	Optimization of Antisense Oligonucleotides with Chemical Modifications Through Deep Learning for IDO1 Gene Regulation	Gyeongjo	Hwang	Spidercore Inc.
P259	Domain Skipping in Nebulin as a Novel Therapy for Δexon55 Neb Related Nemaline Myopathy	Zach	Coulson	University of Toronto
P260 -V	Room Temperature Stabilization and Dual-Responsive Controlled Release of mRNA by a Multi-Layered Nucleic Acid Nanocapsule	Suman	Pal	University of Connecticut
P261 -V	Determining the cellular internalization mechanism and role of chemical structure on the gene regulation capabilities of nucleic acid nanocapsules	Jessica	Rouge	University of Connecticut
P262 -V	microRNA-21 blockade in human triple negative breast cancer allografts stopped progression and reduced immune checkpoint proteins	Eric	Wickstrom	Bound Therapeutics LLC
P263 -V	Forging a pre-clinical pipeline for N=1 splice-modulating antisense oligonucleotide therapies for rare genetic neuromuscular and neurodevelopmental disease	Katharine	Zhang	Children's Medical Research Institute
P264	Amphiphilic and unsaturated lipid conjugates enable functional uptake of siRNAs in brain tumors in vivo	Samantha	Sarli	Umass Chan Medical School