

ERC Proof of Concept 2024 Deadline 1: List of PIs funded from the Main list

Last Name	First Name	Host Institution (English)	Host Institution	Host Institution Country	Project Acronym	Project Title
BAIER	Gottfried	Medical University of Innsbruck	Medizinische Universität Innsbruck	AT	NR2F6-AIM	NR2F6 Blockade as Adoptive Immune Cell Therapy for Metastatic Melanoma
KUBICEK	Stefan	Research Center for Molecular Medicine (CeMM)	Forschungszentrum für Molekulare Medizin (CeMM)	AT	ONCO-SPLICE	Translating Tudor domain splicing inhibitors for oncological applications
SCHRENK	Bernhard	Austrian Institute of Technology	Austrian Institute of Technology	AT	MOSQUITO	Monolithic Silicon Quantum Communication Circuitry
AMELOOT	Rob	KU Leuven	KU Leuven	BE	MOFKADD	Metal-Organic-Framework Kinetic Array for Diabetes Detection
LAMBRECHT	Bart	Flanders Institute for Biotechnology (VIB)	Vlaams Instituut voor Biotechnologie	BE	CRYSTAL-SHINE	A nanobody imaging tool to detect protein crystals and predict therapeutic response in asthmatics
MEYTS	Isabelle	KU Leuven	KU Leuven	BE	MODULATEDADA2	Towards modulator therapy for ADA2 deficiency
NANAY	Bence	University of Antwerp	Universiteit Antwerpen	BE	CoTRINVI	Cortical Training to Improve Navigation for the Visually Impaired
REYNDERS	Edwin	KU Leuven	KU Leuven	BE	SOPRANO	Sound insulation prediction and optimization software
BODE	Helge	Max Planck Society	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	XPdeter	Natural scavenger repellents from Xenorhabdus and Photorhabdus
CARELL	Thomas	University of Munich (LMU)	Ludwig-Maximilians-Universität München	DE	IeuCAB	Preclinical development of new nucleoside-based drug against leukemia
COSTA-RIQUELME	Rubén Dario	Technical University of Munich	Technische Universität München	DE	CERES	Crop Efficient Red-Emitting Source
GATHER	Matte	University of Cologne	Universität Zu Köln	DE	SPLIDAR	Stable Polariton LIDAR
GROSSHANS	Holger	PTB German National Metrology Institute	Physikalisch-Technische Bundesanstalt	DE	MefiX	Preventing explosions: Resolved measurement of turbulent flow electrification
HAAS	Simon	Charité - University Hospital	Charité - Universitätsmedizin Berlin	DE	Interact-ALL	Precision Diagnostics for Predicting Therapy Response to Bispecific Antibodies
MOLINA-LUNA	Leopoldo	Technical University of Darmstadt	Technische Universität Darmstadt	DE	BED-TEM	Bayesian Experimental Design for in situ (Scanning) Transmission Electron Microscopy
POLANSKY-BISKUP	Julia	Charité - University Hospital	Charité - Universitätsmedizin Berlin	DE	epi-hiPSC-Treg	Paving the way for off-the-shelf adoptive Treg therapy using epigenetic forward programming
SIMONS	Matias	University Hospital Heidelberg	Universitätsklinikum Heidelberg	DE	RENOTREAT	Preventing Alport syndrome with a natural amino acid
The names of the PI, HI & project have been rescinded for IP reasons, at the request of the PI				DE		
KELLER	Stephan Sylvest	Technical University of Denmark	Danmarks Tekniske Universitet	DK	BioMICap	Bio mass-derived Microsupercapacitors for IoT devices
KONTOGEORGIS	Georgios M	Technical University of Denmark	Danmarks Tekniske Universitet	DK	ElectroSAFT	Modern Equation of State for Electrolytes
STIPP	Susan	Technical University of Denmark	Danmarks Tekniske Universitet	DK	MIN CO2	CO2 Mineralisation: Conversion of Waste to New Building Materials
ABADAL	Sergi	Polytechnic University of Catalonia	Universitat Politècnica de Catalunya	ES	EWiC	Emulation of Wireless Communication among Chipelets inside a Computing System
ADAM	Jose	Polytechnic University of Valencia	Universitat Politècnica de València	ES	Encast	Implementing a new line of defence to avoid the catastrophic collapse of precast buildings
CASTELLANOS-GOMEZ	Andres	Spanish National Research Council (CSIC)	Agencia Estatal Consejo Superior de Investigaciones Científicas	ES	StEnSo	STrain Engineered Spatial light mODulators based on 2D semiconductors
GARCÍA SUERO	Marcos	Catalan Institute of Chemical Research	Institut Català d'Investigació Química	ES	Cyclo-warhead	New chemical warheads for covalent drug discovery
KONSTANTATOS	Gerasimos	The Institute of Photonic Sciences	Institut de Ciències Fotòniques	ES	IRQUAL	Heterogeneous Integrated Short-wave Infrared Colloidal Quantum Dot Lasers
NOVOA	Eva	Centre for Genomic Regulation	Centre de Regulació Genòmica (CRG)	ES	IRNADiagnostics	Simple and cost-effective cancer diagnosis in liquid biopsy through native tRNA sequencing
REA	Nanda	Spanish National Research Council (CSIC)	Agencia Estatal Consejo Superior de Investigaciones Científicas	ES	DeepSpacePULSE	A new X-ray pulsar navigation system for Deep Space Exploration
SÁNCHEZ	Samuel	Institute for Bioengineering of Catalonia	Institut de Bioenginyeria de Catalunya	ES	OrthoBots	Therapeutic Effect of Nanobots in the Treatment of Joint Diseases
SERRANO	Luis	Centre for Genomic Regulation	Centre de Regulació Genòmica (CRG)	ES	Nanodesign	Computer aided de novo design of nanobodies
TOBIAS-ROSSELL	Gerard	Spanish National Research Council (CSIC)	Agencia Estatal Consejo Superior de Investigaciones Científicas	ES	ENCANT	Nanoengineered particles for enhanced cancer radiotherapy
ILMONIEMI	Risto	Aalto University	Aalto-yliopisto	FI	MODEX-mTMS	MODular and EXpandable multi-locus Transcranial Magnetic Stimulation
MIKKONEN	Kirsi	University of Helsinki	Helsingin yliopisto	FI	PARTIPERSION	Wood-Derived Hybrid Particles for Stabilized Dispersions
BOCQUET	Lydéric	National Center for Scientific Research (CNRS)	Centre National de la Recherche Scientifique (CNRS)	FR	RealEase	RealEase constraints of desalination
CANTAT	Thibault	French Alternative Energies and Atomic Energy Commission (CEA)	Commissariat à l'énergie atomique et aux énergies alternatives	FR	UPCYCLON	Innovative catalytic process to valorize nylon wastes
DIMITROV	Jordan	National Institute of Health and Medical Research (INSERM)	Institut national de la santé et de la recherche médicale	FR	IMPACT	Intrinsic Microenvironment-Dependent Potentiation of Antibodies for Cancer Therapy
GAUDENZIO	Nicolas	National Institute of Health and Medical Research (INSERM)	Institut national de la santé et de la recherche médicale	FR	IMMCEPTION 2	Development of a new therapeutic product targeting neuroimmune circuits to treat asthma
HENRIOT	Christian	Aix-Marseille University	Université d'Aix-Marseille	FR	Histtext	An Application for leveraging large-scale historical textbases
KUHN	Alexander	Bordeaux Polytechnic Institute	Institut polytechnique de Bordeaux	FR	AMEN	Advanced Molecular ENantiodiscrimination
LECUIT	Marc	Pasteur Institute	Institut Pasteur	FR	PRESERVE	Preventing rejection and ensuring survival of grafts
L'HEUREUX	Nicolas	National Institute of Health and Medical Research (INSERM)	Institut national de la santé et de la recherche médicale	FR	SUITEX	A completely biological and human tissue-engineered sling produced from Cell-Assembled extracellular Matrix (CAM) in vitro for the treatment of Stress Urinary Incontinence (SUI)
RICO	Felix	Aix-Marseille University	Université d'Aix-Marseille	FR	OpenFMLab	Open Force Microscopy for Biology and Biomedicine
WALCZAK	Aleksandra Maria	National Center for Scientific Research (CNRS)	Centre National de la Recherche Scientifique (CNRS)	FR	RESPOND	Computational scanning for responding clonotypes in immune repertoires
CANTILLON-MURPHY	Padraig	University College Cork, National University of Ireland	University College Cork, National University of Ireland	IE	Saor Track	Wireless Position Tracking in the OR
CASEY	Eoin	University College Dublin	University College Dublin	IE	AMADEUS	Accelerating biofilm Matrix dispersion with Deep Eutectic Solvents
BEL	Shai	Bar-Ilan University	Bar-Ilan University	IL	MucusIBD	Innovative mucus secretion stimulation for inflammation control in Inflammatory Bowel Disease
FRIEDMAN	Nir	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	AIHLiquidBiopsy	Differential Diagnosis of Autoimmune Hepatitis by cfChIP-seq Liquid Biopsy
GALUN	Eithan	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	PanRORα	Acute pancreatitis therapy by RORα activation and FGF21 expression

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GUR	Dvir	Weizmann Institute of Science	Weizmann Institute of Science	IL	CrystalCellFactory	Engineering Eco-Friendly and Sustainable Reflecting Crystals in Yeast to Replace Hazardous TiO2 Based Pigments
LANDAU	Ayelet	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	AUTISMSync	Enhancing Synchrony in Autism: Introducing the MirrorPods-Intervention Platform
LEVENBERG	Shulamit	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	BioForcelink	Bioactive reinforcing bioink for hybrid bioprinting of implantable bone
MELLER	Amit	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	SM-ProTrack	Fingerprinting Single Protein Molecules for Biomarker Assisted Precision Medicine
AMBROGIO	Chiara	University of Turin	Università degli Studi di Torino	IT	PREDICT	PRoviding Effective longitudinal models of RAS Direct inhibition to Combat Tumor resistance
ANDRIULLI	Francesco	Polytechnic University of Turin	Politecnico di Torino	IT	TurboEEG	A fast open-source brain imaging package for electroencephalography
BAGHERIFARD	Sara	Polytechnic of Milan	Politecnico di Milano	IT	Core	A Multi-fidelity Approach Enabling Automated High Precision in Cold Spray Repair
IELMINI	Daniele	Polytechnic of Milan	Politecnico di Milano	IT	NEURO2D	Neuromorphic computing system for real-time signal monitoring and classification with ultra-low-power 2D devices
MOLLE	Alessandro	Italian National Research Council	Consiglio Nazionale delle Ricerche	IT	TNext	Tellurane Memristors for Neuromorphic Computing System Technology
RICCI	Francesco	INBB - Biocstructures and Biosystems National Institute	Istituto Nazionale di Strutture e Biosistemi	IT	ELIDIS	Enzyme-Linked DNA Displacement (ELIDIS) Assay as an innovative immunoassay platform
SCIUTTI	Alessandra	Italian Institute of Technology	Fondazione Istituto Italiano di Tecnologia	IT	ARIEL	Assessing childRen manipulation and Exploration skills
SIMONE	Elena	Polytechnic University of Turin	Politecnico Di Torino	IT	NewOilFactory	Novel production routes for the fabrication of tailor-made, crystalline, self-structuring oleogels for functional food and pharmaceutical applications
SUCCI	Sauro	Italian Institute of Technology	Fondazione Istituto Italiano di Tecnologia	IT	LBFAST	Lattice Boltzmann For Advanced SimulaTions
TOPPUTO	Francesco	Polytechnic of Milan	Politecnico di Milano	IT	AXESS	Accelerated X-in-the-loop Environment for Small Satellite Testing
VALLORTIGARA	Giorgio	University of Trento	Università degli Studi di Trento	IT	TaGaDeDys	Tablet Games for Early Detection and Intervention of Developmental Dyscalculia
VILE	Gianvito	Polytechnic of Milan	Politecnico di Milano	IT	CATSYNEX	Harnessing the Market Potential of Single-Atom Catalysts through Next-Generation Large-Scale Synthesis
BONGER	Kim	Leiden University	Universiteit Leiden	NL	THRON-SEC	Drug-Induced Secretome Profiling for Enhanced Therapy
CHUVA DE SOUSA LOPES	Susana	Leiden University Medical Center (LUMC)	Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	NL	ReproTox	Developing a human-based stem cell model for reproductive toxicity
DE GREEF	Tom	Eindhoven University of Technology	Technische Universiteit Eindhoven	NL	DNACryp	DNA Encryption of Compartmentalized DNA Files
DE VRIES	Robert	Utrecht University	Universiteit Utrecht	NL	arrayed surveillance	Glyco-protein arrays for functional virus surveillance
FERNANDEZ RIVAS	David	University of Twente	Universiteit Twente	NL	Lab-In-Skin	Overcoming limits for pre-clinical small volume liquid delivery into skin and inflammation quantification
FUCHS	Sabine	University Medical Center Utrecht	Universitair Medisch Centrum Utrecht	NL	IMPACT	IMPLementation of Affordable gene Correction Therapies
KIND	Jop	Royal Netherlands Academy of Arts and Sciences	Koninklijke Nederlandse Akademie van Wetenschappen - KNAW	NL	OncolD	Deep multiplexed epigenetic profiling of plasma cell-free nucleosomes for early cancer diagnostics
KRAUS	Peter	Dutch Research Organisation Institutes (NWO-I)	Nederlandse Wetenschappelijk Onderzoek Instituten	NL	MICROSEM	Super-resolution microscopy for semiconductor metrology
LEIJTEN	Jeroen	University of Twente	Universiteit Twente	NL	NutriBone	Self-feeding implants to improve and accelerate tissue healing using nutritional nanoparticles
MARTIN	Nathaniel	Leiden University	Universiteit Leiden	NL	PREVAIL	PREclinical EVALuation and Investigation of Laterocidamide - A novel antibiotic from a new drug class to overcome polymyxin resistance.
STOELINGA	Mariëtte	University of Twente	Universiteit Twente	NL	RUBICON	Realizing the benefits of safety-security co-analysis through effective tool support
VAN BOXTEL	Ruben	Princess Maxima Center for Pediatric Oncology	Prinses Maxima Centrum voor Kinderoncologie	NL	MUTAPREDICT	Benchmarking AI to predict mutagenicity by combing chemical structure and genome-wide mutation data
VAN KASTEREN	Sander	Leiden University	Universiteit Leiden	NL	TIGER	Targeted Immunocytokines by CaGing and local Release
VAN SLOUN	Ruud	Eindhoven University of Technology	Technische Universiteit Eindhoven	NL	CloudSound	Cloud-native ultrasound imaging
PETTERSEN	Kristin Y.	Norwegian University of Science and Technology Trondheim	Norges teknisk-naturvitenskapelige universitet Trondheim	NO	UR4energy	Underwater Robots for efficient ocean energy harvesting
NUNES DOS SANTOS	Claudia	NOVA Medical School	Universidade NOVA de Lisboa	PT	NEUROSHIELD	NEUROSHIELD-Novel small molecule attenuator of neuroinflammation in Parkinson's Disease
AUGUSTSSON	Per	Lund University	Lunds universitet	SE	BLOODFLOW	Acoustic whole blood imaging flow cytometry for rare cell identification
PEREIRA	Filipe	Lund University	Lunds universitet	SE	DART	Driving tumour antigen presentation by RNA-mediated transdifferentiation
SOTRIOU	Georgios	Karolinska Institute	Karolinska Institutet	SE	PHOTOCURE	Nanoengineered photoactivated drug-free antimicrobial precision treatment for chronic skin wounds
HUMAR	Majaz	Jozef Stefan Institute	Institut Jozef Stefan	SI	EdibleLasers	Edible lasers for safety and authentication of food and pharmaceuticals
BEKER	Levent	Koc University	Koç Üniversitesi	TR	BladderWatch	Wearable Ultrasound for Continuous Bladder Monitoring
BREWSTER	Stephen	University of Glasgow	University of Glasgow	UK	PhotoMod	Transcranial photobiomodulation for motion sickness mitigation
BZDEK	Bryan	University of Bristol	University of Bristol	UK	PICODROP-MS	Exploring the Applications of Picodroplet Mass Spectrometry
CADAR	Cristian	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	FORTE	Change Impact Analysis, Root Cause Analysis, and AI-based Repair for Safe and Secure Software Evolution
COLLINS	Matthew	University of Cambridge	University of Cambridge	UK	Peptinsure	Using Peptides to ensure, assure and Insure protein authenticity and quality
DI FALCO	Andrea	University of St Andrews	University of St Andrews	UK	HAZGUARD	Hazard sensors based on holographic metasurfaces for near eye augmented reality displays
EVANS	Rachel	University of Cambridge	University of Cambridge	UK	LWLF-4-IPV	Scale-up and Demonstrator of Luminescent Waveguide Encoded Films for Indoor Photovoltaics
GORBACHEV	Roman	University of Manchester	University of Manchester	UK	2D-TRANSFER	Wafer Scale Ultra-Clean Van der Waals Heterostructures
GREEN	Rylie	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	RELAI	Regenerative Engineering of Living Autologous Interfaces
JOYCE	Hannah	University of Cambridge	University of Cambridge	UK	BeyondHySpec	Beyond the bandgap: HyperSpectral image sensors from ultraviolet to infrared
LEDESMA AMARO	Rodrigo	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	OPTIGO	OPTimising IndigoIodine production heterogeneity for sustainable microbial blue pigment biosynthesis
SCHERMAN	Oren	University of Cambridge	University of Cambridge	UK	AERO BEST	Associative metal-free ElectroLYtes for Battery Energy Storage
SEWELL	Peter	University of Cambridge	University of Cambridge	UK	ELVER-CHECK	Well-grounded Lightweight Assurance for Critical Systems Software
SWIETACH	Pawel	University of Oxford	University of Oxford	UK	BLOODSPEED	Next-generation red cell analysers for blood-banking, transfusion medicine, and haematological diagnosis
TIWARI	Manish	University College London	University College London	UK	SaferBirths	Sensorised Surgical Glove for Safer Operative Births
TONI	Francesca	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	CaRLA	Causal Argumentative Learning Assistant