ERC Proof of Concept 2023 Deadline 3: List of PIs funded from the Main list

Last Name	First Name	Host Institution (English)	Host Institution	Host Institution Country	Project Acronym	Project Title
ALISTARH	Dan	Institute of Science and Technology Austria	Institute of Science and Technology Austria	AT	FastML	FastML: Efficient and Cost-Effective Distributed Machine Learning
KALISZYK	Cezary	University of Innsbruck	Universität Innsbruck	AT	FormalWeb3	Web3 Platform for Formal Mathematics
KALTENBRUNNER	Martin	University of Linz	Universität Linz	AT	MycoSub	Mycelium-based substrate for sustainable flexible PCBs
WIDSCHWENDTER	Martin	University of Innsbruck	Universität Innsbruck	AT	EpiPrecise	Epigenetic profiling of menstrual blood for precision cancer detection and prevention
BELOQUI GARCIA	Ana	Catholic University of Louvain	Université catholique de Louvain	BE	HormoCaps	Gut HORMOne stimulating CAPSules for the treatment of gastrointestinal metabolic disorders
DE STROOPER	Bart	Flanders Institute for Biotechnology (VIB)	Vlaams Instituut voor Biotechnologie	BE	GALOMOD	Gamma-secretase allosteric modulation as preventive therapy in Alzheimer's Disease
DEMEESTER	Piet	Ghent University	Universiteit Gent	BE	DCAP	Distributed Coordinated Access Point
GUNS	Tias	KU Leuven	KU Leuven	BE	PO-CPMpy	Prediction + Optimisation for scheduling and rostering with CMPpy
VAN INGELGOM	Virginie	Catholic University of Louvain	Université catholique de Louvain	BE	DACAT	Developing an Abductive Coding Analysis Toolkit
VERBAUWHEDE	Ingrid	KU Leuven	KU Leuven	BE	BELFORT MATCH	Proof of Concept Prototype for Matching Applications on BELFORT Hardware
WILLIAMSON	Adam	Masaryk University	Masarykova univerzita	CZ	FitSleep	Fabricating Non-Invasive Temporal Interference Devices for Obstructive Sleep Apnea which Electrically activate the Hypoglossal Nerve
BAYER	Christian	University of Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	DE	BASEforHANK	A software tool for the Bayesian estimation of Heterogeneous Agent macroeconomic policy models
BECK	Martin	Max Planck Society	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	MMC	Membrane Micro-Compartments
BEISEL	Chase	Helmholtz Centre for Infection Research	Helmholtz-Zentrum für Infektionsforschung	DE	CRISPR-SELECT	Harnessing a novel CRISPR nuclease for programmable counterselection in human cells
CIZMAR	Tomas	Leibniz Institute of Photon	Leibniz-Institut für Photonische Technologien e.v	DE	STEDGate	STED-enabled super-resolution multimode-fibre based holographic endoscopy for deep-tissue observations of neuronal connectivity
CORTÉS	Emiliano	University of Munich (LMU)	Ludwig-Maximilians-Universität München	DE	SURFLIGHT	Optical Microscope for Imaging High-Speed Precision Surface Processes
DE LAPORTE	Laura	DWI Leibniz Institute for Interactive Materials	DWI Leibniz-Institut für Interaktive Materialien ev	DE	AnisoPlate	High-throughput production of anisotropic 3D human tissue models
DIMITRIADIS	Konstantinos	Max Planck Society	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	DE	inhibiTOR	Exploiting Cellular Metabolism to Develop the Next Generation of mTOR Inhibitors
DRESCHER	Malte	University of Constance	Universität Konstanz	DE	LIQUIDITY	Liquid Dosimetry via Electron Paramagnetic Resonance Spectroscopy

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GAGLIANI	Nicola	University Medical Center Hamburg-Eppendorf	Universitätsklinikum Hamburg-Eppendorf	DE	ACT-PC	Actionable metabolite supplements to improve treatment response in pancreatic cancer
GARGIULO	Gaetano	Max Delbrück Center for Molecular Medicine in the Helmholtz Association	Max-Delbrück-Centrum für Molekulare Medizin in der Helmholtz-Gemeinschaft	DE	SynT	Generation, validation and use of a synthetic reporter of CAR T cell products function and dysfunction
GILMOUR	Ryan	University of Munster	Westfälische Wilhelms-Universität Münster	DE	ChiroFluor	Next Generation Chiral Fluorine Groups for Molecular Design
HAERTER	Jan	University of Postdam	Universität Potsdam	DE	DakE	High-resolution weather observations East of Dakar
KASKEL	Stefan	Technical University of Dresden	Technische Universität Dresden	DE	DYNALIP	An equipment for responsive adsorption assessment of dynamic adsorbents in liquid phase
KATOEN	Joost-Pieter	RWTH Aachen University	Rheinisch-Westfälische Technische Hochschule Aachen	DE	VERIPROB	A Deductive Verifier for Probabilistic Programs
LACHMANN	Nico	Hannover Medical School	Medizinische Hochschule Hannover	DE	iMAClung	Moving cell-based immunotherapies to fight bacterial lung infections into the clinics
LIEDL	Tim	University of Munich (LMU)	Ludwig-Maximilians-Universität München	DE	NanoPUF	Physical Unclonable anticounterfeit tags using Nanotechnology
POLLMANN	Frank	Technical University of Munich	Technische Universität München	DE	QTEngine	Quantum Tensor Engine
PRADEL	Michael	University of Stuttgart	Universität Stuttgart	DE	BugGPT	Practical, Learning-Based Tools for Finding and Fixing Bugs
PREU	Sascha	Technical University of Darmstadt	Technische Universität Darmstadt	DE	PhoVeNA	Photonic Vector Network Analyzers
TALEBI	Nahid	The University of Kiel	Die Universitat Kiel	DE	UltraCoherentCL	Ultrafast Cathodoluminescence Spectroscopy with Coherent Electron-Driven Photon Sources
WIEGERT	Simon	University of Heidelberg	Ruprecht-Karls-Universität Heidelberg	DE	HyFiPhotometry	Hyperspectral Fiber Photometry for Flexible, Multiplexed Optical Measurements of Brain Function
BODE	Ingvild	University of Southern Denmark	Syddansk Universitet	DK	AutoPractices	Governing AI Technologies in Weapon Systems from the Bottom Up: Practices to Sustain and Strengthen Human Control
BRANDT	Martin	University of Copenhagen	Københavns Universitet	DK	TREEMAP	Tree-level biomass maps for Africa
SCHLIESSER	Albert	University of Copenhagen	Københavns Universitet	DK	VIMEG	Vibrating Membrane Gauge for Wide-Range Pressure Measurement
SKRETAS	Georgios	ResQ Biotech	ResQ Biotech	EL	PoC4ProMis	Preclinical in vivo proof-of-concept for cyclic oligopeptide rescuers of pathogenic protein misfolding and aggregation associated with neurodegeneration
BERMEJO-ÁLVAREZ	Pablo	Spanish National Research Council (CSIC)	Agencia Estatal Consejo Superior de Investigaciones Científicas	ES	DIASTORE	Diapause-mediated cattle embryo storage
CALLEJA	Montserrat	Spanish National Research Council (CSIC)	Agencia Estatal Consejo Superior de Investigaciones Científicas	ES	VIR-Quantify	Nanowire device for single virus delivery and sensing in vacuum

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CLARET	Marc	IDIBAPS	Instituto de Investigaciones Biomédicas August Pi i Sunyer	ES	MitoHealth	The Mitochondrial Paradox: Embracing Mitohormesis for Improved Metabolic and Aging Health
FERRER	Jorge	Centre for Genomic Regulation	Centre de Regulació Genòmica (CRG)	ES	GenomeDia	A personalized medicine tool for diabetes
GUILLÉN I FÀBREGAS	Albert	Pompeu Fabra University	Universitat Pompeu Fabra	ES	UNIDACT	Universal Data Compression with Circular Context Trees
PALAZON GARCIA	Francisco De Asis	Zelula Biopharma SL	Zelula Biopharma SL	ES	TAM-ADaCT	A Novel Antibody-Drug Conjugate for Targeting Tumor-Associated Macrophages in Solid Tumors
ROS BARDISA	Alberto	University of Murcia	Universidad de Murcia	ES	Berti-Chip	Energy-Efficient Highly Accurate Data Prefetching
SANCHO MADRID	David	Spanish National Cardiovascular Research Centre	Fundacion Centro Nacional de Investigaciones Cardiovasculares Carlos III	ES	ImnovAth	Targeting the Imidazoline I1 receptor as a novel treatment for Atherosclerosis
SANTAMARÍA	Jesús	University of Zaragoza	Universidad de Zaragoza	ES	LABORIOUS	Reliable and scalable procedures for the isolation and loading of extracellular vesicles
VOUTILAINEN	Merja	University of Helsinki	Helsingin yliopisto	FI	REGENERA MS	Neuroregenerative peptide treatment for multiple sclerosis
AUBRY	Alexandre	National Center for Scientific Research (CNRS)	Centre National de la Recherche Scientifique (CNRS)	FR	MUSE	MUlti-spectral Scattering matrix for Enhanced skin imaging
BAILLEUL	Benjamin	National Center for Scientific Research (CNRS)	Centre National de la Recherche Scientifique (CNRS)	FR	PALMADS	Photosynthetic Activity in Low Micro-Algal Density Suspensions
BALZAROTTI	Davide	EURECOM	EURECOM	FR	EVADES	Evasion-aware Detection Sandbox
BORMUTH	Volker	Sorbonne University	Sorbonne Université	FR	MIOBAS	Method for Integrated All-Optical Biological Analysis at Scale
BOUSSEAU	Adrien	National Institute for Research in Computer Science and Automatic Control (INRIA)	Institut National de Recherche en Informatique et en Automatique	FR	DLift	Lifting Design Drawings to 3D
COURCHET	Julien	National Institute of Health and Medical Research (INSERM)	Institut national de la santé et de la recherche médicale	FR	ABC-MT	Agonists of the microprotein BRAWNIN in the treatment of Charcot Marie Tooth disease
HAIAT	Guillaume	National Center for Scientific Research (CNRS)	Centre National de la Recherche Scientifique (CNRS)	FR	AssesSkin	Development of a non-invasive medical device to measure the skin biomechanical properties: assessment of the commercial feasibility
JANNIN	Sami	University Claude Bernard Lyon 1	Université Lyon 1 Claude Bernard	FR	TRYP	Transportable Hyperpolarization for Imaging
PEDUTO	Lucie	Pasteur Institute	Institut Pasteur	FR	REACT	Reprogramming of Tumor Stroma to Enhance Cancer Immunotherapy
PERRET	Etienne	The Grenoble Institute of Technology	Institut polytechnique de Grenoble	FR	RFmatCarac	Wireless Test fixtures to Measure the Dielectric Properties of Materials in RF
BUCKLEY	Conor	Trinity College Dublin	Trinity College Dublin	IE	iDISC	Rejuvenation of the Intervertebral Disc Using Self-Healing Biomimetic Extracellular Matrix Biomaterial Tissue Adhesives
ABRAMSON	Jakub	Weizmann Institute of Science	Weizmann Institute of Science	IL	OVCure	Curing ovarian cancer through autoantibody-based therapy

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EBENSTEIN	Yuval	Tel Aviv University	Tel Aviv University	IL	MiRACLE	Multiplexed microRNA detection platform for early diagnosis and patient management
HELLMAN	Asaf	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	PredRegNetworks	Listening to Silence: The First Blood Test for Risk of Individuals at Prophylactic Time Windows to Develop Type 2 Diabetes Mellitus
KARAVANI	Vered	Tel Aviv University	Tel Aviv University	IL	SugarBiomarker	Diagnostics for cancer and cardiovascular diseases based on diet-derived sugars
KORIN	Netanel	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	StreamlineValve	Flow Controlled Prosthetic Heart Valves
KVATINSKY	Shahar	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	Real-Database-PIM	Accelerating Relational Databases with Real Memristive Processing-in-Memory
NATALIO	Filipe	Weizmann Institute of Science	Weizmann Institute of Science	IL	HYDROCOLTON	Novel Fiber Cotton Coloration for a Revolutionary Sustainability Breakthrough in Textile Applications
NIR	Yuval	Tel Aviv University	Tel Aviv University	IL	InterictalSleepDetct	Non-invasive detection of interictal epileptiform discharges (IEDs) in the mesial temporal lobe (MTL) during sleep
POPOVTZER	Rachela	Bar-Ilan University	Bar-Ilan University	IL	Golden-ADC	An Insulin-Gold Nanoplatform as Enhanced Antibody-Drug Conjugate Cancer Therapy
SEGEV	Einat	Weizmann Institute of Science	Weizmann Institute of Science	IL	FastMicrobes	Enhancing Industrial Cultivation: A Breakthrough Approach Using Methylated Compounds to Expedite Microbial Growth
SHECHTMAN	Yoav	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	BioMarkerFlow	Fast and simple biomarker detection by computational microscopy
CHIONO	Valeria	Polytechnic University of Turin	Politecnico Di Torino	IT	EMPATIC	Engineered multi-well platforms integrating biochemical and biophysical cues for the functional maturation and electrophysiological monitoring of cardiac tissue models.
CIMETTA	Elisa	University of Padua	Università degli Studi di Padova	IT	ARACHNID	Automated canceR-on-A-CHip orgaN-specific metastatIc spreaD
CIOFANI	Gianni	Italian Institute of Technology	Fondazione Istituto Italiano di Tecnologia	IT	BiSCUIT	Biomimetic Sensorized Barriers-on-a-Chip: Unveiling a new Generation of Market-Ready Investigation Tools
CIPRIANI	Christian	Sant'Anna School of Advanced Studies	Scuola Superiore Sant'Anna	IT	MYTI	MYokinetic Towards Innovation
DI STASIO	Francesco	Italian Institute of Technology	Fondazione Istituto Italiano di Tecnologia	IT	MOONSHOT	Colloidal Indium Arsenide quantum dots as short-wave infrared single photon emitters
NOVEMBRE	Giacomo	Italian Institute of Technology	Fondazione Istituto Italiano di Tecnologia	IT	AUTISMUS	A joint music making game augmenting social skills in autistic individuals
OSTUNI	Renato	Vita-Salute San Raffaele University	Universitá Vita-Salute San Raffaele	IT	easi-IPMN	Early Inflammatory Signatures of IPMN Progression
PASQUALINI	Francesco	University of Pavia	Università degli Studi di Pavia	IT	hiPSCmore	Instrumented human stem cells to see more during high throughput screening in drugInstrumented human stem cells to see more during high throughput screening in drug discovery and regenerative medicine
SICILIANO	Velia	Italian Institute of Technology	Fondazione Istituto Italiano di Tecnologia	IT	BURnOUT	Enabling efficient cell engineering leaving gene-expression BURden OUT for cell therapies and biopharmaceutical industry
VITIELLO	Miriam Serena	Italian National Research council	Consiglio Nazionale delle Ricerche	IT	TeraScan	Terahertz HyperSpectral low-Cost fAst GrapheNe Camera
WYKOWSKA	Agnieszka Anna	Italian Institute of Technology	Fondazione Istituto Italiano di Tecnologia	IT	RONIN	RObot traiNing INdependence
ZACCARELLI	Emanuela	Italian National Research council	Consiglio Nazionale delle Ricerche	IT	MICROSENS	Microgel-nanoparticles colorimetric sensor for pesticide detection
BOODTS	Shari	Radboud University Nijmegen	Radboud Universiteit	NL	ManuscriptAI	Building an AI-tool to facilitate the integration, accessibility, and usability of heterogeneous cultural heritage data on medieval manuscripts.

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DE SMET	Louis	Wageningen University	Wageningen University	NL	PassIon	High Performance and Large-Scale Electrodes for Selective Ion Recovery
DEN TOONDER	Jaap	Eindhoven University of Technology	Technische Universiteit Eindhoven	NL	TOMAC	Bioinspired Flow Generation in Tubeless Organ-on-a-chip using Magnetic Artificial Cilia
JOO	Chirlmin	Delft University of Technology	Technische Universiteit Delft	NL	SPARXS	High throughput development platform for oligonucleotide aptamers
MAGLIA	Giovanni	University of Groningen	Rijksuniversiteit Groningen	NL	MC-Nano	Multianalyte Continuum Nanopores Sensing
MARPAUNG	David	University of Twente	Universiteit Twente	NL	Veritas	Versatile Integrated Brillouin-Kerr Frequency Combs for On-Chip Photonic Systems
MISRA	Sarthak	University of Twente	Universiteit Twente	NL	APOLLO	Advanced Magnetic Probes for Minimally Invasive Endovascular Surgery
PAVLOPOULOS	Dimitris	VU Amsterdam	Vrije Universiteit Amsterdam	NL	COMBINE	Combine measures of social assistance benefit indicators to correct for measurement error
TAMIETTO	Marco	Tilburg University	Universiteit van Tilburg	NL	PRISM	Hyper-Realistic Models for Hands-On Surgical Training in Non-human Primate Biomedical Research
VAN ATTEVELDT	Nienke	VU Amsterdam	Vrije Universiteit Amsterdam	NL	EXPLOREYOURBRAIN2.0	Explore Your Brain 2.0: a maximally effective, usable and scalable growth mindset intervention to break through adolescents' declining rates of motivation and school achievements
WILSON	Daniela	Radboud University Nijmegen	Radboud Universiteit	NL	OatLive	Mix and Match: One-step activation for targeted drug delivery
JAGERSKA	Jana	UiT: The Arctic University of Norway	UiT Norges arktiske universitet	NO	sCENT2	Micro-Scale Photonic Trace Gas Sensor
OLIVEIRA MAIA	Albino	Champalimaud Foundation	Fundação Champalimaud	PT	FoodConnect	Modulating feeding behavior in obesity: from brain lesions to non-invasive brain stimulation targets
ROQUE	Ana	Nova Id FCT, New University of Lisbon	Associação para a Inovação e Desenvolvimento da FCT	PT	UNMASK	Unraveling Parkinson´s disease diagnostic
SILVA PEREIRA	Cristina	NOVA University of Lisbon	Universidade NOVA de Lisboa	PT	SNAIL	High performance hydrophobic suberin nanoparticles for the generation of liquid-air biphasic droplets with application in food and therapeutics
ÅKERMAN	Johan	University of Gothenburg	Göteborgs universitet	SE	LoRaSpin	Long-range and high-data-rate wireless communication using chirp spread spectrum modulated spintronic oscillators.
TESTA	Ilaria	KTH Royal Institute of Technology	Kungliga Tekniska Högskolan	SE	DiffusOMICS	A new technology to probe molecular interaction in cells at high throughput
BEARD	Paul	University College London	University College London	UK	INTRAOP	Development of an intra-operative probe for image-guided cancer surgery
GIBSON	Elizabeth	Newcastle University	Newcastle University	UK	Solar Aviator	The Solar Aviator
GRAVEN	Heather	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	ACES	Atmospheric Carbon Emissions Sampler
RAO	Akshay	University of Cambridge	University of Cambridge	UK	OptoBAT	High Throughput Operando Optical Light Scattering as a tool to Accelerate Battery Material Development
TRAVERS	John	Heriot-Watt University	Heriot-Watt University	UK	ULTRASOL	Bright and Compact Tuneable Far-Ultraviolet Light Sources for New Applications