

## **ERC Starting Grants 2023**

### **List of Principal Investigators selected for funding**

*The statistics and final list of successful candidates are provisional. The Trade and Cooperation Agreement between the European Union and the United Kingdom allows for associating the UK to the current EU research and innovation funding programme, Horizon Europe, subject to the adoption of a Protocol. As this Protocol has not been adopted so far, the UK is still considered "non-associated" to Horizon Europe. Therefore, the successful proposals of applicants based in a country in the process of associating to Horizon Europe will be eligible for funding only if the relevant Horizon Europe association agreement applies by the time of the signature of the grant agreement. However, successful applicants from UK host institutions can still be funded, provided that they move to a host institution in an eligible country.*

Last name	First name	Host Institution Local name	Host Institution name	Host country	Acronym	Title	Panel
CHENG	Bingqing	Institute of Science and Technology Austria	Institute of Science and Technology Austria	AT	PROMISE	ab initio PRediction Of Materlal SynthEsis	PE4
KUENG	Richard	Universität Linz	University of Linz	AT	q-shadows	quantum-enhanced shadows: scalable quantum-to-classical converters	PE6
LEONARD	Julian	Technische Universität Wien	Vienna University of Technology	AT	NON-ABELIAN	Non-abelian anyons in programmable lattices	PE2
POLSHYN	Hryhoriy	Institute of Science and Technology Austria	Institute of Science and Technology Austria	AT	OCI	Orbital Chern Insulators in van der Waals Moiré Systems	PE3
QIN	Xiao-Hua	Technische Universität Wien	Vienna university of Technology	AT	BONYCHIP	Microprinted Cell-guiding Hydrogels to Grow Human Bone Organoids with 3D Osteocyte Networks on Chip	PE11
SPIEL	Katta	Technische Universität Wien	Vienna University of Technology	AT	ACCESSTECH	Experiencing Access with Interactive Technologies	PE6
WOGGRIN	Sonja	Technische Universität Graz	Graz University of Technology	AT	NetZero-Opt	Optimization and data aggregation for net-zero power systems	PE7
BAUTERS	Marijn	Universiteit Gent	Ghent University	BE	FORECAT	Biogeochemical impact of land-use intensification and its legacy effects on tropical forest recovery through cation limitation	PE10
BOWMAN	Dominic	KU Leuven	KU Leuven	BE	SYMPHONY	StudYing Massive star PHysics Of blue supergiaNts with asteroseismology	PE9
BULTREYS	Tom	Universiteit Gent	Ghent University	BE	FLOWSCOPY	Unravelling unsteady fluid flows in porous media with 3D X-ray micro-velocimetry	PE8
DEBROYE	Elke	KU Leuven	KU Leuven	BE	X-PECT	Toward next-generation X-ray imaging: Pb-free PErovskite Charge Transport engineering	PE4

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HEREIJGERS	Jonas	Universiteit Antwerpen	University of Antwerp	BE	RECHARGE	Redox flow batteries charging tomorrow's world through the in-depth understanding and enhanced control over battery hydrodynamics	PE8
ROGGE	Sven	Universiteit Gent	Ghent University	BE	STRAINSWITCH	Strain engineering to design functional 4D polymorphism in nanostructured materials	PE4
ZEKOLLARI	Harry	Vrije Universiteit Brussel	Free University of Brussels (VUB)	BE	ice cubed	ICE <sup>3</sup> : Modelling the global multi-century evolution of glacier ICE in 3D	PE10
ALERT	Ricard	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	LIVING_FLUCTUATIONS	The Spectrum of Fluctuations in Living Matter	PE3
BRIQUEZ	Priscilla	Universitätsklinikum Freiburg	University Medical Center Freiburg	DE	DRESSCODE	Engineering next-generation fusion proteins to dress the cell membrane with functionally enhanced receptors	PE11
BUDDAY	Silvia	Friedrich-Alexander-Universität Erlangen-Nürnberg	University of Erlangen-Nuremberg	DE	MAGERY	Mechanics-augmented brain surgery	PE8
BUKOV	Marin	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	QuSimCtrl	Nonequilibrium Many Body Control of Quantum Simulators	PE2
BURKHOLZ	Rebekka	CISPA Helmholtz-Zentrum für Informationssicherheit	CISPA Helmholtz Center for Information Security	DE	SPARSE-ML	Cascade Processes for Sparse Machine Learning	PE6
CAPUTO	Andrea	Stiftung Deutsches Elektronen-Synchrotron	DESY	DE	AstroDarkLS	Astro Dark Large & Small	PE2
CLASSEN	Laura	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	QuantEmerge	Emergence in quantum materials: from relativistic quantum criticality to non-Fermi liquids and unconventional superconductivity	PE3

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DEL VECCHIO	Alessandro	Friedrich-Alexander-Universität Erlangen-Nürnberg	University of Erlangen-Nuremberg	DE	GRASPAGAIN	A Direct Sensorimotor Connection with the Spared Neural Code of Movement to Regain Motor Function	PE7
DONNELLY	Claire	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	3DNanoQuant	Three Dimensional Quantum Nanomaterials	PE3
EIBENBERGER-ARIAS	Sandra	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	COCOCIMO	Coherent Control of Chiral Molecules	PE4
FRENGER	Ivy	Helmholtz Zentrum für Ozeanforschung Kiel	Helmholtz - Centre for Ocean Research - Kiel	DE	OSTIA	The Ocean'S role in miTigating climAte change: Mechanistic understanding of the legacy of anthropogenic heat and carbon in the ocean under net-negative carbon dioxide emissions	PE10
GAJIC	Dejan	Universität Leipzig	Leipzig University	DE	ExBHGravRad	The Mathematical Analysis of Extremal Black Holes and Gravitational Radiation	PE1
GERLING	Kathrin	Karlsruher Institut für Technologie	Karlsruhe Institute of Technology	DE	AccessVR	Developing Experience-Centric Accessible Immersive Virtual Reality Technology	PE6
GREGUREC	Danijela	Friedrich-Alexander-Universität Erlangen-Nürnberg	University of Erlangen-Nuremberg	DE	BRAINMASTER	Bidirectional remote deep brain control with magnetic anisotropic nanomaterials	PE5
HE	Ran	Leibniz-Institut für Festkörper- und Werkstofforschung Dresden	Leibniz Institute for Solid State and Materials Research	DE	TENTATION	Tellurium-free Thermoelectric Technology for Near-room-temperature Applications	PE8
KEEFER	Daniel	Technische Universität München	Technical University of Munich	DE	QuantXS	Quantum Controlled X-ray Spectroscopy of Elementary Molecular Dynamics	PE4
KOZIELSKI	Kristen	Technische Universität München	Technical University of Munich	DE	NANeurO	Injectable nanoelectrodes for wireless and minimally invasive neural stimulation	PE7

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KUBICA	Aleksander	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	FANPHYS	Fault Tolerance, Near-Term Devices and Many-Body Physics	PE2
KUEHNE	Hilde	Johann Wolfgang Goethe Universität Frankfurt am Main	Goethe University Frankfurt am Main	DE	GraViLa	Graphs without Labels: Multimodal Structure Learning without Human Supervision	PE6
KUNST	Flore	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	NTopQuant	New Trends of Non-Hermitian Topology in Open and Correlated Quantum Systems	PE3
LOSS	Julian	CISPA Helmholtz-Zentrum für Informationssicherheit	CISPA Helmholtz Center for Information Security	DE	CRYPTOSYSTEMS	Cryptographic Foundation for Secure and Scalable Distributed Systems	PE6
MALAVOLTA	Giulio	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	ObfusQation	Code Obfuscation in a Quantum World	PE6
MEIER	Christoph	Technische Universität München	Technical University of Munich	DE	ExcelAM	Accelerated Additive Manufacturing: Digital Discovery of a New Process Generation	PE8
NELLES	Anna	Stiftung Deutsches Elektronen-Synchrotron	DESY	DE	PRO-RNO-G	Discovering neutrinos of extreme energies with the Radio Neutrino Observatory Greenland	PE9
PAPPAS	Charalampos	Albert-Ludwigs-Universität Freiburg	Albert-Ludwigs-University Freiburg	DE	PhosphoSupraChem	Developing Roles for Phosphates Outside of Biology: A Systems Chemistry Approach Towards Abiotic Phosphate Fuels	PE5
PARTHASARATHY	Aditya	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	GIGA	A Gamma-ray Infrastructure to Advance Gravitational Wave Astrophysics	PE9

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SCHRÖTER	Niels	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	ChiralTopMat	Spin-momentum locking and correlated phenomena in chiral topological materials	PE3
SCHULZ	Eric	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	TACOS	Towards an Artificial Cognitive Science	PE6
SORMANI	Mattia Carlo	Ruprecht-Karls-Universität Heidelberg	University of Heidelberg	DE	GalFlow	The Milky Way as key to understanding the inward transport of matter to the centre of galaxies	PE9
STORCH	Golo	Technische Universität München	Technical University of Munich	DE	BifurCAT	Artificial Catalysts for Endergonic Reduction by Electron Bifurcation	PE5
VALTOLINA	Giacomo	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	LIRICO	Light for controlling Reactive Interactions in COld molecules	PE2
VOGEL	Raphaela	Universität Hamburg	University of Hamburg	DE	ROTOR	Rain and cloud Organization in the Trades using ObseRvations and models	PE10
WILLKE	Philip	Karlsruher Institut für Technologie	Karlsruhe Institute of Technology	DE	ATOMQUANT	On-Surface Atomic Spins with Outstanding Quantum Coherence	PE3
WINKLER	Thomas E.	Technische Universität Braunschweig	Technical University of Braunschweig	DE	CHIPzophrenia	Feedback-control of the Microenvironment: Modular Organ-on-Chip Technology to elucidate the role of Neurovascular Stress in Schizophrenia	PE7
YU	Minghao	Technische Universität Dresden	Technical University of Dresden	DE	BattSkin	Practical magnesium batteries enabled by 2D crystalline polymer-based artificial electrode skins	PE11
ZEIDLER	Rudolf	Westfälische Wilhelms-Universität Münster	University of Munster	DE	COMSCAL	Comparison and rigidity for scalar curvature	PE1

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ZIBROWIUS	Claudius	Universität Regensburg	University of Regensburg	DE	CAPCAM	Cut-and-paste conjectures and multicurves	PE1
WATERTON	Pedro	Københavns Universitet	University of Copenhagen	DK	ChroMCrust	The Chromite Record of Mafic Crustal Growth	PE10
CHARISI	Maria	Foundation for Research and Technology Hellas	Greek Foundation for Research and Technology	EL	MMMonsters	The first multi-messenger detection of a supermassive black hole binary	PE9
KAMPITSIS	Georgios	Panepistimio Patron	University of Patras	EL	ENRICH	Reinventing Power Electronic Architectures for a Fully-Integrated Power Converter-on-a-Chip	PE7
ARROYO HUIDOBRO	Paloma	Universidad Autónoma de Madrid	Autonomous University of Madrid	ES	TIMELIGHT	TIME-Varying Nanophotonics for New Regimes of QED LIGHT-Matter Interactions	PE3
FOLGUERAS	Santiago	Universidad de Oviedo	University of Oviedo	ES	INTREPID	INnovative TRiggEr techniques for beyond the standard model Physlcs Discovery at the LHC	PE2
JULIÁ	Fabio	Institut Català d'Investigació Química	Catalan Institute of Chemical Research	ES	ExCEL	Exciting Iron Catalysis: A route towards sustainable cross-couplings Enabled by Light	PE5
RETA	Daniel	Universidad Del País Vasco Ehu Upv	University of the Basque Country	ES	RadicalProtON	Designing organic molecules as platforms for reversible charge-to-spin conversion with applications in chromophore optimisation and drug discovery	PE4
SCARABELLI	Leonardo	Agencia Estatal Consejo Superior de Investigaciones Científicas	Spanish National Research Council (CSIC)	ES	NANOGROWDIREC T	Nanoparticles in Situ Surface Growth for Direct Fabrication of Functional Patterned Nanomaterials	PE5
UNIONE	Luca	CIC bioGUNE	CIC bioGUNE	ES	Glyco13Cell	Isotopically labelling of cell surface glycans to illuminate infectious processes at atomic resolution	PE5
VUCKOVIC	Stefan	Universidad Del País Vasco Ehu Upv	University of the Basque Country	ES	MLstrong	Solving the strong correlation problem in density functional theory via machine learned fully non-local functionals	PE4

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BACKHOLM	Matilda	Aalto-yliopisto	Aalto University	FI	SWARM	Direct measurements of collective swimming forces at the mesoscale	PE3
MILIC	Jovana	Turun Yliopisto	University of Turku	FI	SmartHyMat	Smart Hybrid Materials for Opto(electro)ionics	PE11
NÄTTILÄ	Joonas	Helsingin yliopisto	University of Helsinki	FI	ILLUMINATOR	Illuminating neutron stars with radiative plasma physics	PE9
WANG	Shiqi	Helsingin yliopisto	University of Helsinki	FI	BioLure	Quantitative analysis of endosomal escape and intracellular delivery via bioorthogonal luminescent reaction	PE5
ACCANTO	Nicolo	Institut national de la santé et de la recherche médicale	National Institute of Health and Medical Research (INSERM)	FR	2P-BRAINSKOPEY	A two-photon compound fiberscope to study the brain at all spatial and temporal scales.	PE7
AMANIAMPONG	Prince	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	ConCASM	Controlling Cavitation for the Activation of Small Molecules	PE5
ANTONIO	Paul Yves Jean	Université de Montpellier	University of Montpellier	FR	UBEICH	Unravelling the first Bubbles of the Earth Inner Core History	PE10
BRADLEY	James	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	SIESTA	The Role of Microbial Dormancy as an Ecological and Biogeochemical Regulator on Earth	PE10
BRANDENBOURGER	Martin	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	Self-Flow	Self-contracting vascular networks: From fluid transport to autonomous locomotion of soft materials	PE8
CALATRONI	Luca	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	MALIN	Model-aware learning for imaging inverse problems in fluorescence microscopy	PE7
CANTINI	Laura	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	MULTIview-CELL	Integration of single-cell multi-omics data across space and time to unlock cellular trajectories	PE6
CASADO	Mathieu	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	AVAR	Antarctic	PE10



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COLLOT	Charles	CY Cergy Paris Université	CY Cergy Paris University	FR	FloWAS	Flows, Waves, and their Asymptotic Stability	PE1
COUSTON	Louis-Alexandre	Université Lyon 1 Claude Bernard	University Claude Bernard Lyon 1	FR	IceAblation	Novel subglacial ocean models to accurately predict Ice-shelf Ablation rates at high resolution and low computational cost	PE10
COUTEAU	Geoffroy	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	OBELISC	Overcoming Barriers and Efficiency Limitations in Secure Computation	PE6
DMYTRUK	Olesia	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	Q-Light-Topo	Quantum light-controlled topological phases of matter	PE3
EBERHARDT	Lorenz	United Nations Educational, Scientific and Cultural Organization - UNESCO	UNESCO	FR	StringScat	New Handles for String Scattering Amplitudes	PE2
FAUCHER	Florian	Institut National de Recherche en Informatique et en Automatique	National Institute for Research in Computer Science and Automatic Control (INRIA)	FR	INCORWAVE	Nonlinear inversion of correlation waveforms with hierarchical reconstructions	PE1
FILDIER	Benjamin	Ecole Normale Supérieure PSL	ENS PSL	FR	RECONCILE	Revisiting Rainfall Extremes with Ensembles of Convective Objects and their Continuum of Interactions with the Large-scale Environment	PE10
GABURRO	Elena	Institut National de Recherche en Informatique et en Automatique	National Institute for Research in Computer Science and Automatic Control (INRIA)	FR	ALcHyMiA	Advanced Structure Preserving Lagrangian schemes for novel first order Hyperbolic Models: towards General Relativistic Astrophysics	PE1
GOIJON	Antoine	Université d'Angers	University of Angers	FR	PhotoFreeze	Light-Frozen Dynamic Covalent Synthesis of Organic Semiconducting Materials	PE5

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GUEORGUIEV	David	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	TANGO	Computational Modelling of Tangible Objects on Multisensory Interfaces	PE6
JENDREJ	Jacek	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	INSOLIT	Interacting Solitary Waves in Nonlinear Wave Equations	PE1
MARCOTTE	Florence	Institut National de Recherche en Informatique et en Automatique	National Institute for Research in Computer Science and Automatic Control (INRIA)	FR	CIRCE	Control of Instabilities in Rotating flows Conducting Electricity: dynamo seeds and subcritical transition to MHD turbulence in stellar objects.	PE9
PAUL	Nancy	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	PAX	antiProtonic Atom X-ray spectroscopy	PE2
PIROLI	Lorenzo	Ecole Normale Supérieure PSL	ENS PSL	FR	QUANTHEM	Quantum Synthetic Models for Entangled Matter Out of Equilibrium	PE2
RONCEN	Remi	Office National d'Etudes et de Recherches Aérospatiales	The French Aerospace Lab (ONERA)	FR	POROLEAF	POROUS media: Life and dEath of their wAVes and Flames	PE8
RONCERAY	Pierre	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	SuperStoc	Super-resolved stochastic inference: learning the dynamics of soft biological matter	PE3
ROSE	Clemence	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	HAVEN	High above the ocean: unexplored molecular processes	PE10
WANG	Yilin	Institut des Hautes Études Scientifiques	Institute of Advanced Scientific Studies (IHES)	FR	RaConTeich	Connecting Random Conformal Geometry and Teichmüller theory	PE1
WESOLOWSKI	Benjamin	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	AGATHA CRYPTY	Algebraic groups at the heart of post-quantum cryptography	PE6

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WIEDER	Benjamin	Commissariat à l'énergie atomique et aux énergies alternatives	French Alternative Energies and Atomic Energy Commission (CEA)	FR	TopoRosetta	A Rosetta Stone for Robust Observables of Topological States from Symmetry Group Theory	PE3
YILDIRIM	Can	European Synchrotron Radiation Facility	European Synchrotron Radiation Facility	FR	D-REX	Deformation and Recrystallization Mechanisms in Metals	PE11
FREEMAN	Fiona	University College Dublin	University College Dublin	IE	META-CHIP	Development of a lung METAstasis-on-a-CHIP model for osteosarcoma as a biomimetic testing platform for drug discovery and therapeutic innovation	PE11
MATRÀ	Luca	Trinity College Dublin	Trinity College Dublin	IE	E-BEANS	Exoplanets and Belts of Exocomets Around Nearby Stars	PE9
MCEVOY	Eoin	University of Galway	University of Galway	IE	MechanoGAP	Personalised Mechanobiological Models to Predict Tumour Growth and Anti-Cancer Drug Penetration	PE8
BEKENSTEIN	Rivka	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	QuantMeta	Quantum Metamaterials with integrated atomic-like arrays for quantum information processing	PE2
BEN-MOSHE	Assaf	Bar-Ilan University	Bar-Ilan University	IL	EnaDisNan	Enantioselective screw-dislocation-mediated growth of chiral nanocrystals	PE5
CHAPMAN	Shira	Ben-Gurion University of the Negev	Ben-Gurion University of the Negev	IL	dSHologQI	de Sitter Space Holography and Quantum Information	PE2
HERSHKOVITS	Or	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	MCFBeyondAndApp	Mean curvature flow: singularity formation beyond 2 convexity and applications	PE1
KATZ	Guy	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	VeriDeL	Verifiably Safe and Correct Deep Neural Networks	PE6
LIVNI	Roi	Tel Aviv University	Tel Aviv University	IL	FoG	Foundations of Generalization	PE6

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PELEG	Hila	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	EXPLOSYN	Exploratory Program Synthesis	PE6
SHAGAM	Yuval	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	Q-ChiMP	Precision measurement of parity violation with quantum-controlled and trapped chiral molecular ions	PE4
SHARON	Daniel	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	NanoDep	Controlling Electrodeposition Processes at the Nanoscale with Well-Ordered Nano-Structured Electrolytes	PE11
STEIN	Tamar	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	AstroMol	Chemical Transformations in the Inter-Stellar Medium: Photochemical Processes	PE4
VOGT	Charlotte	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	NANODYNAMICS	Hidden in the Noise: Transient Details of Nanoparticle-Catalyzed Reactions Under Challenging Conditions	PE4
ACCONCIA	Giulia	Politecnico di Milano	Polytechnic of Milan	IT	HERMES	High-speed time Resolved fluorescence iMaging with no pile-up diStortion	PE7
BONACCHINI	Giorgio Ernesto	Libera Università di Bolzano	University of Bolzano	IT	MiMETIC	Microwave Metadevices based on Electrically Tunable organic Ion-electron Conductors	PE11
CACUCCILO	Vito	Politecnico di Bari	Polytechnic University of Bari	IT	ROBOFLUID	Robotic Fluids for artificial muscles, wearable cooling, and active textiles	PE7
CAPPELLO	Leonardo	Scuola Superiore Sant'Anna	Sant'Anna School of Advanced Studies	IT	MUSE	MusculoSkeletal Expansion	PE7
CENATIEMPO	Serena	Gran Sasso Science Institute	Gran Sasso Science Institute	IT	MaTCh	Macroscopic properties of interacting bosons: a unified approach to the Thermodynamic Challenge	PE1
CRESCI	Stefano	Consiglio Nazionale delle Ricerche	Italian National Research council	IT	DEDUCE	Data-Driven and User-Centered Content Moderation	PE6
GAGLIANO	Onelia	Università degli Studi di Padova	University of Padua	IT	OriSha	Engineering the Origin of Human Shape: Defining Patterns and Axes in the Early Stage of 3D Pluripotency	PE8

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GERBINO	Martina	Istituto Nazionale di Fisica Nucleare	National Institute of Nuclear Physics	IT	RELiCS	Revealing Elusive Light particles with Cosmic microwave background surveys across cosmological Scales	PE9
GUERRA	Anna	Consiglio Nazionale delle Ricerche	Italian National Research council	IT	CUE-GO	Contextual Radio Cues for Enhancing Decision Making in Networks of Autonomous Agents	PE7
MICHELI	Andrea	Fondazione Bruno Kessler	Bruno Kessler Foundation	IT	STEP-RL	Specializing TEmporal Planning using Reinforcement Learning	PE6
NOZZA	Debora	Università Commerciale 'Luigi Bocconi'	Bocconi University	IT	PERSONAE	Personalized and Subjective approaches to Natural Language Processing	PE6
PAGANELLI	Chiara	Politecnico di Milano	Polytechnic of Milan	IT	MINIONS	Patient-specific Microstructural and radiobiological model for personalised external beam radiatiONn therapy in localised tumourS	PE8
PATERNO	Giuseppe Maria	Politecnico di Milano	Polytechnic of Milan	IT	EOS	Engineering of bacteria to see light	PE11
PELLIS	Alessandro	Università degli Studi di Genova	University of Genoa	IT	CIRCULARIZE	Chemo-enzymatic processing of bio-based building blocks to circular functional materials	PE8
SKÚLADÓTTIR	Ása	Università degli Studi di Firenze	University of Florence	IT	TREASURES	TREASURES: Digging into dwarf galaxies	PE9
STABILE	Giovanni	Scuola Internazionale Superiore di Studi Avanzati	International School for Advanced Studies	IT	DANTE	Data Aware efficient models of the urbaN microclimaTE	PE8
STEVANATO	Gabriele	Università degli Studi di Padova	University of Padua	IT	HYPMET	Hyperpolarized Magnetic Resonance at the point-of-care	PE4
BEYER	Maximilian	Vrije Universiteit Amsterdam	VU Amsterdam	NL	HeliUM	Helium dimer Ultracold Molecules - a platform for fundamental physics and ultracold chemistry	PE2

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BLIEM	Roland	Nederlandse Wetenschappelijk Onderzoek Instituten	Dutch Research Organisation Institutes (NWO-I)	NL	SURPLAS	Resolving Surface Reactions in Plasma Catalysis: Towards Rational Catalyst Design	PE4
BOSCO	Emanuela	Technische Universiteit Eindhoven	Eindhoven University of Technology	NL	VANGOGH	Unravelling and predicting degradation of canvas paintings: a multiscale and multiphysics framework	PE8
BOUTRY	Clementine	Technische Universiteit Delft	Delft University of Technology	NL	Nerve-Repair2.0	Biodegradable MEMS implants for nerve repair	PE7
BROERE	Danny	Universiteit Utrecht	Utrecht University	NL	N2-CONVERT	Converting N <sub>2</sub> directly into amines through multimetallic catalysis	PE5
BURDYN	Thomas Edward	Technische Universiteit Delft	Delft University of Technology	NL	RECALLCO <sub>2</sub>	Selective CO <sub>2</sub> Reduction to CO and Alcohols without Platinum or Noble Group Electrodes	PE8
DAVIES	Carl	Radboud Universiteit	Radboud University Nijmegen	NL	HandShake	Coherent Steering of Order via Lattice Resonances	PE3
GLASSMEIER	Franziska	Technische Universiteit Delft	Delft University of Technology	NL	MesoClou	Unlocking the mesoscale frontier of cloud-climate uncertainty	PE10
JALAAL	Mazyar	Universiteit van Amsterdam	University of Amsterdam	NL	FluMAB	Understanding The Fluid Mechanics of Algal Bloom Across Scales	PE8
JOUDEH	Hamdi	Technische Universiteit Eindhoven	Eindhoven University of Technology	NL	IT-JCAS	Information Theoretic Foundations of Joint Communication and Sensing	PE7
SANTOS	Fernando P.	Universiteit van Amsterdam	University of Amsterdam	NL	RE-LINK	Responsible Link-Recommendations in Dynamic Environments	PE6
STEENSTRA	Edgar	Technische Universiteit Delft	Delft University of Technology	NL	VenusVolAtmos	Volatile Element Cycles on Venus: Implications for the Evolution of Venus' Greenhouse-Dominated Atmosphere	PE9
VAN DE GROEP	Jorik	Universiteit van Amsterdam	University of Amsterdam	NL	ExMAM	Excitonic 2D Metasurfaces for Active Multifunctional Flat Optics	PE3

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VAN RAVENSTEIJN	Bas	Universiteit Utrecht	Utrecht University	NL	POLYPATH	The Journey Matters: Pathway Complexity in Polyplex Formation	PE5
VON GLEISSETHALL	Klaus	Vrije Universiteit Amsterdam	VU Amsterdam	NL	SecuStack	SecuStack: Securing the Leaky Hardware/Software Boundary	PE6
WEBER	Bart	Nederlandse Wetenschappelijk Onderzoek Instituten	Dutch Research Organisation Institutes (NWO-I)	NL	CHIPFRICTION	Chip production without friction	PE8
LINDSTRØM	Carl Andreas	Universitetet i Oslo	University of Oslo	NO	SPARTA	Staging of Plasma Accelerators for Realizing Timely Applications	PE2
PIRK	Norbert	Universitetet i Oslo	University of Oslo	NO	ACTIVATE	Actively learning experimental designs in terrestrial climate science	PE10
WILHELMOSEN	Oivind	Norges teknisk-naturvitenskapelige universitet Trondheim	Norwegian University of Science and Technology Trondheim	NO	InterLab	Unraveling the fundamentals of transport across the vapor-liquid interface	PE4
STERCZEWSKI	Lukasz	Politechnika Wroclawska	Wroclaw University of Science and Technology	PL	TeraERC	Chip-based room-temperature terahertz frequency comb spectrometers	PE7
TRUSIAK	Maciej	Politechnika Warszawska	Warsaw University of Technology	PL	NaNoLens	Lensless label-free nanoscopy	PE7
PEREIRA	Inês	Universidade de Coimbra	University of Coimbra	PT	FINGER-PT	FINGERprinting cold subduction and Plate Tectonics using key minerals	PE10
ARAMESH	Morteza	Uppsala Universitet	Uppsala University	SE	NANOMICS	Scanning Nanopore Microscopy for In Situ Single-Cell Protein Profiling	PE4
BARRIGA	Hanna	Kungliga Tekniska Högskolan	KTH Royal Institute of Technology	SE	MaxFUSE LNPS	Engineering lipid nanoparticles to target and escape the endosome, deliver their cargo and perform better as breast cancer therapies	PE3

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BINTINGER	Johannes	Linköping Universitet	Linköping University	SE	Time2SWITCH	Bioorthogonal Iontronic Chemistry: Spatiotemporal Drug Release with Electronic Precision	PE4
ENGELSEN	Nils Johan	Chalmers tekniska högskola	Chalmers University of Technology	SE	SEQUENCE	Sensing and Quantum Engineering with Magnetically Functionalized Ultrasensitive Mechanical Resonators	PE2
GIOVANNITTI	Alexander	Chalmers tekniska högskola	Chalmers University of Technology	SE	PolyElectroCAT	Design and synthesis of bulk-active polymeric organic electrocatalysts for efficient electroorganic synthesis	PE11
GLASER	Christian	Ångström Laboratory, Uppsala University	Uppsala University	SE	NuRadioOpt	Optimization of Radio Detectors of Ultra-High-Energy Neutrinos through Deep Learning and Differential Programming	PE2
HOLME	Margaret	Chalmers tekniska högskola	Chalmers University of Technology	SE	CanExCell	An Atlas of Organisation of Lipids in Extracellular Vesicles To Navigate Their Roles in Cancer Metastasis	PE11
LENRICK	Filip	Lunds universitet	Lund University	SE	BulkBonding	Bulk-like Joints by Gas Actuated Bonding	PE8
TRYBEL	Florian	Linköping Universitet	Linköping University	SE	UNMASCC-HP	Understanding Material Synthesis Conditions and Complexity at High-Pressure	PE11
GUNEY	Fatma	Koç Üniversitesi	Koc University	TR	ENSURE	ENabling Self-Driving in Uncertain Real Environments	PE6
TATAR	Erdinc	Bilkent Üniversitesi	Bilkent University	TR	0-drift	Towards no-drift sensors with on-chip self-calibration	PE7
AL-SID-CHEIKH	Maya	University of Surrey	University of Surrey	UK	IMAGINE	Ion beam Analysis to decipher the biological response Induced by Nanoplastics at Environmentally realistic concentration	PE4
CARNALL	Adam	University of Edinburgh	University of Edinburgh	UK	OMG	The Origins of Massive Galaxies	PE9
CHEVYREV	Ilya	University of Edinburgh	University of Edinburgh	UK	SQGT	Stochastic quantum gauge theories	PE1



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DHAWAN	Suhail	University of Cambridge	University of Cambridge	UK	NGSNCOSMO	Next Generation Supernova Cosmology	PE9
GILLEN	Edward	Queen Mary University of London	Queen Mary University of London	UK	AENEAS	Age-Enabled Exoplanet Science: Understanding the evolution and diversity of planetary systems	PE9
LYNCH	Kara	University of Manchester	University of Manchester	UK	ESPEN	Examining the Shape of Proton Emitting Nuclei	PE2
MARTÍNEZ PAÑEDA	Emilio	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	ResistHfracture	Turning defects into allies to develop intrinsic resistance to hydrogen-induced fractures	PE8
MEHTA	Meera	University of Manchester	University of Manchester	UK	P_Cat	Phosphorus Masquerading as a Metal	PE5
PILLAI	Rohit	University of Edinburgh	University of Edinburgh	UK	NANO-COOL	NANOMaterial-enhanced two-phase COOLing for breakthrough thermal management systems	PE8
RAINFORTH	Thomas	University of Oxford	University of Oxford	UK	DataAcq	Data-Driven Algorithms for Data Acquisition	PE6
RANGANATHAN	Dhruv	University of Cambridge	University of Cambridge	UK	LOGMOD	Logarithmic enumerative geometry and moduli spaces	PE1
SMITH	Adam	University of Nottingham	University of Nottingham	UK	QUADCOMB	Towards a practical quantum advantage: Confronting the quantum many-body problem using quantum computers	PE3
STEIER	Ludmilla	University of Oxford	University of Oxford	UK	PHOTOCAT3.0	Innovating Photocatalysis with Sulphide Perovskite Materials	PE11
TAN	Wei	Queen Mary University of London	Queen Mary University of London	UK	LSIMPACT	Life-like Resilient Materials for Mitigating Liquid-Solid Impact Damage	PE11
TAPIA-ROJO	Rafael	King's College London	King's College London	UK	FORCEBIND	Mechanochemical Regulation of Focal and Fibrillar Adhesion Proteins	PE3