

# ERC Starting Grants 2021: List of Principal Investigators selected for funding

## Physical Sciences and Engineering Domain

*Only for Principal Investigators whose Host Institutions are established in Switzerland:*

*Following the termination of the exploratory talks, Switzerland is considered a non-associated third country. As a result, Host Institutions established in Switzerland are not eligible for funding. Exceptionally for this call, since it was already closed before the termination of the negotiations, the proposals submitted with Swiss Host Institutions and which have been selected for funding may remain eligible provided that their Host Institution is replaced with a legal entity established in an eligible country.*

*Only for Principal Investigators whose Host Institutions are established in a candidate associated country:*

*As described in Annex 3 of the ERC Work Programme 2021, successful applicants established in a country in the process of associating to Horizon Europe will not be treated as established in an associated country if the association agreement does not apply by the time of the signature of the grant agreement.*

Last name	First name	Host Institution local name	Host Institution name	Host Country	Acronym	Title	Panel
PICHLER	Hannes	Österreichische Akademie der Wissenschaften	Austrian Academy of Sciences (AAS)	AT	QARA	Quantum Applications with Rydberg Atom Arrays	PE2
GEHRING	Pascal	Université catholique de Louvain	Catholic University of Louvain	BE	MOUNTAIN	Molecular Quantum Heat Engines	PE3
HAFFNER	Christian	Interuniversitair Micro-Electronica Centrum Vzw	IMEC	BE	Q-AMP	quantum electro-optic amplifiers for the next generation quantum and supercomputers	PE7
BOUMAL	Nicolas	Ecole Polytechnique Fédérale de Lausanne	Swiss Federal Institute of Technology Lausanne (EPFL)	CH	GEOSYM	Harnessing Geometry and Symmetry in Optimization for Data Science	PE6
BOUSSEAU	Pierrick	Eidgenössische Technische Hochschule Zürich	Swiss Federal Institute of Technology Zurich (ETH Zurich)	CH	ENUMALGEO	Dualities in enumerative algebraic geometry	PE1
COLOMBO	Maria	Ecole Polytechnique Fédérale de Lausanne	Swiss Federal Institute of Technology Lausanne (EPFL)	CH	TENSE	Irregular solutions of the Transport, Euler and Navier-Stokes Equations	PE1
FLEURY	Romain	Ecole Polytechnique Fédérale de Lausanne	Swiss Federal Institute of Technology Lausanne (EPFL)	CH	ARTISTE	Anomalous non-Reciprocal Topological networks for robuST microwavE devices	PE7
GÖÖS	Mika	Ecole Polytechnique Fédérale de Lausanne	Swiss Federal Institute of Technology Lausanne (EPFL)	CH	IMPOSSIBLE	Impossibility Results in Computational Complexity	PE6

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GRIMM	Alexander	Paul Scherrer Institut	Paul Scherrer Institute	CH	COOLCCAT	COherent Operation of a Logical Concatenated CAT qubit	PE3
GUENTNER	Andreas	Eidgenössische Technische Hochschule Zürich	Swiss Federal Institute of Technology Zurich (ETH Zurich)	CH	HEALTHSENSE	Wearable health monitors enabled by flame-aerosol engineering	PE8
LAUFKÖTTER	Charlotte	Universität Bern	University of Bern	CH	MOANA	Mechanistic model simulations of the marine biological carbon pump	PE10
LIU	Mengxia	Eidgenössische Technische Hochschule Zürich	Swiss Federal Institute of Technology Zurich (ETH Zurich)	CH	INVISENSE	Solution-Processed Heterostructures for Infrared Optical Sensing	PE5
PERRIN	Mickael	Eidgenössische Technische Hochschule Zürich	Swiss Federal Institute of Technology Zurich (ETH Zurich)	CH	E-CONVERT	Three-terminal particle-exchange heat engines for efficient energy conversion at the nanoscale	PE3
SHOARAN	Mahsa	Ecole Polytechnique Fédérale de Lausanne	Swiss Federal Institute of Technology Lausanne (EPFL)	CH	SAND	Smart and Autonomous Neurostimulation Devices for Chronic Neurological Disorders	PE7
SOSSI	Paolo	Eidgenössische Technische Hochschule Zürich	Swiss Federal Institute of Technology Zurich (ETH Zurich)	CH	2ATMO	Production of Secondary Atmospheres	PE10
VOGT	Julia	Eidgenössische Technische Hochschule Zürich	Swiss Federal Institute of Technology Zurich (ETH Zurich)	CH	TransMed	Transparent Machine Learning in Medicine: development and application of interpretable and explainable models	PE6

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ZHANG	Ce	Eidgenössische Technische Hochschule Zürich	Swiss Federal Institute of Technology Zurich (ETH Zurich)	CH	TRIDENT	Rigorous and Practical Joint Analysis of Data Processing and Machine Learning: Theory and Systems	PE6
DUSEK	Ondrej	Univerzita Karlova V Praze	Charles University of Prague	CZ	NG-NLG	Next-Generation Natural Language Generation	PE6
SLANINA	Tomáš	Ústav organické chemie a biochemie AV ČR	Institute of Organic Chemistry and Biochemistry AS CR	CZ	SOLBATT	Storage of Electrons into Chemical Bonds: Towards Molecular Solar Electrical Batteries	PE4
BARTHEL	Tobias	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	GeoCats	Spectral Geometry of Higher Categories	PE1
BEDFORD	Jonathan	Ruhr-Universität Bochum	Ruhr University Bochum	DE	TectoVision	What is controlling plate motions over the minutes to decades timescale?	PE10
BIANCHINI	Matteo	Universität Bayreuth	University of Bayreuth	DE	4SBATT	Sustainable Solid State Sodium Batteries	PE11
BROWNING	Thomas	Helmholtz Zentrum für Ozeanforschung Kiel	Helmholtz - Centre for Ocean Research - Kiel	DE	Ocean Glow	Ocean Glow: Controls on ocean productivity using ocean fluorescence detected from space	PE10
BUFETOV	Alexey	Universität Leipzig	Leipzig University	DE	IProbability	Integrable Probability	PE1

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CHITTA	Lakshmi Pradeep	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	ORIGIN	Resolving magnetic ORIGINS of the hot solar atmosphere	PE9
CHOMAZ	Lauriane	Ruprecht-Karls-Universität Heidelberg	University of Heidelberg	DE	2DDip	Two-dimensional Dipolar Quantum Gases: Fluctuations and Orders	PE2
COVI	Erika	NaMLab gGmbH	NaMLab gGmbH	DE	MEMRINESS	Memristive Neurons and Synapses for Neuromorphic Edge Computing	PE7
DOETTLING	Nico	CISPA Helmholtz-Zentrum für Informationssicherheit	CISPA Helmholtz Center for Information Security	DE	LACONIC	Next Generation Laconic Cryptography	PE6
DRAZKOWSKA	Joanna	Ludwig-Maximilians-Universität München	University of Munich (LMU)	DE	PLANETOIDS	Formation of planetary building blocks throughout time and space	PE9
GORKHOVER	Tais	Universität Hamburg	University of Hamburg	DE	HIGH-Q	Breaking resolution limits in ultrafast X-ray diffractive imaging	PE4
GRYN'OVA	Ganna	HITS gGmbH	HITS gGmbH	DE	PATTERNCHEM	Shape and Topology as Descriptors of Chemical and Physical Properties in Functional Organic Materials	PE4
JOENS	Klaus	Universität Paderborn	University of Paderborn	DE	LiNQs	Lithium Niobate Quantum systems	PE7

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KUPENKO	Ilya	Westfälische Wilhelms-Universität Münster	University of Munster	DE	LECOR	Light elements in the core	PE10
LINDAUER	Marius	Leibniz Universität Hannover	University of Hannover	DE	ixAutoML	Interactive and Explainable Human-Centered AutoML	PE6
MANARA	Carlo Felice Maria	European Southern Observatory	European Southern Observatory	DE	WANDA	Winds ANd Disk structures near and Afar	PE9
MERK	Daniel	Ludwig-Maximilians-Universität München	University of Munich (LMU)	DE	NeuRoPROBE	Probing (Orphan) Nuclear Receptors in Neurodegeneration	PE5
OSCHATZ	Martin	Friedrich-Schiller-Universität Jena	Friedrich-Schiller-University of Jena	DE	CILCat	Nanocarbon-Ionic Liquid-Interfaces for Catalytic Activation of Nitrogen	PE8
PATERA	Laerte	Technische Universität München	Technical University of Munich	DE	WEPOF	Watching Excitons in Photoactive Organic Frameworks	PE4
RICHARZ	Timo	Technische Universität Darmstadt	Technical University of Darmstadt	DE	MotLang	Motives and the Langlands program	PE1
SALIBA	Michael	Universität Stuttgart	University of Stuttgart	DE	LOCAL-HEAT	Controlled Local Heating to Crystallize Solution-based Semiconductors for Next-Generation Solar Cells and Optoelectronics	PE11

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SCHAUB	Michael	Rheinisch-Westfaelische Technische Hochschule Aachen	RWTH Aachen University	DE	HIGH-HOPeS	Higher-Order Hodge Laplacians for Processing of multi-way Signals	PE7
SCHNEIDER	Matti	Karlsruher Institut für Technologie	Karlsruhe Institute of Technology	DE	BeyondRVE	Beyond Representative Volume Elements for Random Heterogeneous Materials	PE11
SCHUBERT	Marcel	Universität Zu Köln	University of Cologne	DE	HYPERION	Optical Sequencing inside Live Cells with Biointegrated Nanolasers	PE7
SINGLA	Adish	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	TOPS	Machine-Assisted Teaching for Open-Ended Problem Solving: Foundations and Applications	PE6
VALERA MARTINEZ	Maria Isabel	Universität des Saarlandes	Saarland University	DE	SAML	Society-Aware Machine Learning: The paradigm shift demanded by society to trust machine learning	PE6
WILDMANN	Norman	Deutsches Zentrum für Luft - und Raumfahrt (DLR)	The German Aerospace Center (DLR)	DE	ESTABLIS-UAS	Exposing Spatio-Temporal structures of turbulence in the Atmospheric Boundary Layer with In-Situ measurements by a fleet of Unmanned Aerial Systems	PE10
YOU	Yizhi	Leibniz-Institut für Festkörper- und Werkstoffforschung Dresden	Leibniz Institute for Solid State and Materials Research	DE	fracton	Fracton: A Window to Topology, Interaction and Constraints	PE3

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ZEYMER	Cathleen	Technische Universität München	Technical University of Munich	DE	PhotoLanZyme	Artificial Lanthanide Enzymes for Selective Photocatalysis: 'Enlightening' Metalloenzyme Design and Evolution	PE5
ZHU	Minshen	Technische Universität Chemnitz	University of Technology, Chemnitz	DE	SMADBINS	Smart Dust Batteries Integrated with Near-Zero-Power Surveillance	PE8
BEEREN	Sophie	Danmarks Tekniske Universitet	Technical University of Denmark	DK	ENZYME-DCC	Enzyme-Mediated Dynamic Combinatorial Chemistry	PE5
CROVETTO	Andrea	Danmarks Tekniske Universitet	Technical University of Denmark	DK	IDOL	Inverse Design of Optoelectronic Phosphosulfides	PE11
DOOSTMOHAMMAD I	Amin	Københavns Universitet	University of Copenhagen	DK	PhysCoMeT	Physical basis of Collective Mechano-Transduction: Bridging cell decision-making to multicellular self-organisation	PE3
ELM	Jonas	Aarhus Universitet	Aarhus University	DK	ExploreFNP	Exploring the Molecular Properties of Atmospheric Freshly Nucleated Particles	PE10
LAMBRECHTS	Michiel	Københavns Universitet	University of Copenhagen	DK	EXODOSS	EXOplanet Diversity and the Origin of the Solar System	PE9



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CASADIO	Carolina	Foundation for Research and Technology Hellas	Greek Foundation for Research and Technology	EL	SMILE	Search for Milli-lenses to discriminate between dark matter models	PE9
BALDOVÍ	José J.	Universitat de València	University of Valencia	ES	2D-SMARTIES	Chemical Design of Smart Molecular/2D Devices for Information Technologies	PE5
BLAGORODNOVA MUJORTOVA	Nadejda	Universitat de Barcelona	University of Barcelona	ES	CET-3PO	Common Envelope Transients - Progenitors, Precursors and Properties of their Outbursts	PE9
JOFRE CRUANYES	Lluís	Universitat Politècnica de Catalunya	Polytechnic University of Catalonia	ES	SCRAMBLE	Turbulence-On-a-Chip: Supercritically Overcoming the Energy Frontier in Microfluidics	PE8
LATORRE	Marcos	Universitat Politècnica de Valencia	Polytechnic University of Valencia	ES	G-CYBERHEART	Computationally and experimentally BioEngineerRing the next generation of Growing HEARTs	PE8
MARZO	Asier	Universidad Pública de Navarra	Public University of Navarre	ES	InteVol	Interactions with Future Reach-Through Volumetric Displays	PE6
MONRABAL	Francesc	Fundación Donostia International Physics Center	Donostia International Physics Center	ES	GanESS	Gaseous detectors for neutrino physics at the European Spallation Source	PE2
VALENZUELA	Irene	Universidad Autónoma de Madrid	Autonomous University of Madrid	ES	QGGuide	The Quantum Gravity Imprint: New Guiding Principles at Low Energies	PE2

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VAZOU	Niki	Fundacion IMDEA Software	IMDEA Software Institute	ES	CRETE	Certified Refinement Types	PE6
BAI	Yang	Oulun yliopisto	University of Oulu	FI	UNIFY	Unification of the best piezoelectric and photovoltaic properties in a single photoferroelectric material	PE11
FICKLER	Robert	Tampereen Korkeakoulusaatio Sr	Tampere University	FI	TWISTION	Twisted Ions – A novel tool for quantum science	PE2
MACCHIA	Eleonora	Abo Akademi	Abo Akademi University	FI	NoOne	A binary sensor with single-molecule digit to discriminate biofluids enclosing zero or at least one biomarker	PE8
MEKLER	Elisa	Aalto-yliopisto	Aalto University	FI	THEORYCRAFT	Bridging the Games Research-Practice Gap through Theory Translation	PE6
SHAWULIENU	Kezilebieke	Aalto-yliopisto	Aalto University	FI	TITAN	Tailoring Quantum Matter on the Flatland	PE3
BARBIER	Jean	United Nations Educational, Scientific and Cultural Organization - UNESCO	UNESCO	FR	CHORAL	Computational Hardness Of RepresentAtion Learning	PE1
BARICHIVICH	Jonathan	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	CATES	Long-term consequences of altered tree growth and physiology in the Earth System	PE10

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BIENFAIT	Audrey	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	INDIGO	Developing an inductive spectrometer for electron paramagnetic resonance detection and imaging at the micron scale using superconducting quantum circuits.	PE3
CAMP	Clement	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	DUO	Atomically Dispersed Heterobimetallic Catalysts for Cooperative C-H Bonds Activation	PE5
CAMPAGNE IBARCQ	Philippe	Institut National de Recherche en Informatique et en Automatique	National Institute for Research in Computer Science and Automatic Control (INRIA)	FR	DANCINGFOOL	High-impedance Superconducting Circuits Enabling Fault-tolerant Quantum Computing by Wideband Microwave Control	PE3
CHALK	Thomas	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	ForCry	Analysing frozen Foraminifera by Cryostage LA-ICPMS: Neogene CO <sub>2</sub> , patterns, cycles, and climate sensitivity	PE10
DE NARDIS	Jacopo	CY Cergy Paris Université	CY Cergy Paris University	FR	HEPIQ	Hydrodynamics and entropy production in low-dimensional quantum systems	PE2
DREAU	Anais	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	SILEQS	Spins Interfaced with Light for Quantum Silicon technologies	PE3
FAVEREAU	Ludovic	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	SHIFUMI	SOMO-HOMO Inversion For chiral open-shell pi-conjugated systems	PE5

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FERRIER-BARBUT	Igor	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	CORSAIR	Controlled subradiance in atomic arrays	PE2
FLURIN	Emmanuel	Commissariat à l'énergie atomique et aux énergies alternatives	French Alternative Energies and Atomic Energy Commission (CEA)	FR	INGENIOUS	sINGle microwave photon dETection for hybrid quaNTum Information prOcessing and quantUm enhanced Sensing	PE3
GENEAUX	Romain	Commissariat à l'énergie atomique et aux énergies alternatives	French Alternative Energies and Atomic Energy Commission (CEA)	FR	SPINFIELD	Controlling spin angular momentum with the field of light	PE2
GOGA	Oana	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	MOMENTOUS	Measuring and Mitigating Risks of AI-driven Information Targeting	PE6
GRUENEWALD	Tilman	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	TextOM	X-ray texture tomography as a tool to enable, multi-scale, in-situ imaging of the enthesis, a biological hinge between bone and tendon	PE11
HARRISON	Anna	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	DryCO2	Mechanisms of gas-driven mineral weathering in a changing climate	PE10
LAIREZ	Pierre	Institut National de Recherche en Informatique et en Automatique	National Institute for Research in Computer Science and Automatic Control (INRIA)	FR	10000 DIGITS	Foundations of transcendental methods in computational nonlinear algebra	PE1
LASALA	Silvia	Université de Lorraine	University of Lorraine	FR	REACHER	Reactive fluids for intensified thermal energy conversion	PE8

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MINIACI	Marco	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	POSEIDON	Unconventional principles of underwater wave control in the sub-wavelength regime	PE11
NGUYEN	Ha Vinh Lam	Université Paris XII Val de Marne	University of Paris XII Val de Marne	FR	LACRIDO	Laser Activated Chemistry of Reactive Intermediates: Direct Observation in the jet	PE4
PASSELEGUE	Francois	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	Code4	HOW Predictable are Earthquakes	PE10
RAGAZZON	Giulio	Centre International de Recherche aux Frontieres de la Chimie	Foundation for International Research in Chemistry	FR	KI-NET	Energy transduction in Kinetically asymmetric catalytic NETWORKS	PE4
RIVET	Diane	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	ABYSS	Monitoring megathrust faults with abyssal distributed acoustic sensing	PE10
ROMAN	Sophie	Université d'Orléans	University of Orleans	FR	TRACE-it	Controlling particle flow driven by local concentration gradients in geological porous media	PE8
SEMINO	Rocio	Universite de Montpellier	The University of Montpellier	FR	MAGNIFY	Decoding the Mechanisms Underlying Metal-Organic Frameworks Self-Assembly	PE4
SHAO	Hua-Sheng	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	BOSON	BOosting the knowledge of the Strong interaction from quarkONIum: an advanced simulation framework and beyond	PE2

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SIMSEKLI	Umut	Institut National de Recherche en Informatique et en Automatique	National Institute for Research in Computer Science and Automatic Control (INRIA)	FR	DYNASTY	Dynamics-Aware Theory of Deep Learning	PE6
VOM BRUCH	Dorothea	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	ALPaCA	AcceLerated PreCision Tests of Lepton UniversAlity	PE2
WAGNER	Fabien	Université de Bordeaux	University of Bordeaux	FR	MEMOPROSTHETICS	Neuroprosthetic Modulation of Large-Scale Brain Networks for Treating Memory Disorders	PE7
CUNNANE	Eoghan	University of Limerick	University of Limerick	IE	RE3MODEL	Representative, Reliable and Reproducible in vitro Models of the Human Testes	PE11
GUERIN	Sarah	University of Limerick	University of Limerick	IE	Pb-FREE	Piezoelectric Biomolecules for lead-free, Reliable, Eco-Friendly Electronics	PE11
BISKER	Gili	Tel Aviv University	Tel Aviv University	IL	NanoNonEq	Nanoprobes for Nonequilibrium Driven Systems	PE3
BITANSKY	Nir	Tel Aviv University	Tel Aviv University	IL	SPP	Secrecy-Preserving Proofs with Solid Foundations	PE6
HOCHBERG	Yonit	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	Light-Dark	Light Dark Matter: New Directions for Theory and Detection	PE2

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MORAN	Shay	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	GENERALIZATION	Modern Challenges in Learning Theory	PE6
REFAELY-ABRAMSON	Sivan	Weizmann Institute of Science	Weizmann Institute of Science	IL	CompExDyn	Complex Exciton Dynamics in Materials: a First-Principles Computational Approach	PE3
ROTHBLUM	Ron	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	FASTPROOF	Fast Proofs for Verifying Computations	PE6
SEGEV	Gideon	Tel Aviv University	Tel Aviv University	IL	ESIP-RM	Efficient & Selective Ion Pumps based on Ratchet Mechanisms	PE4
SOLOMON	Shay	Tel Aviv University	Tel Aviv University	IL	DynOpt	Towards a New Theory of Optimal Dynamic Graph Algorithms	PE6
TAMAR	Aviv	Technion - Israel Institute of Technology	Technion - Israel Institute of Technology	IL	BAYES-RL	Deep Bayesian Reinforcement Learning: Unifying Perception, Planning, and Control	PE6
ZEHAVI	Meirav	Ben-Gurion University of the Negev	Ben-Gurion University of the Negev	IL	PARAPATH	Parameterized Complexity Through the Lens of Path Problems	PE6
ARNABOLDI	Serena	Università degli studi di Milano	University of Milan	IT	CHEIR	Cargo-towing Highly enantioselective Electro-pumps: unconventional asymmetric Readout and transmission of chiral information	PE4

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BENEDIKTER	Niels	Università degli studi di Milano	University of Milan	IT	FermiMath	The Mathematics of Interacting Fermions	PE1
CARNIANI	Stefano	Scuola Normale Superiore di Pisa	Scuola Normale Superiore - Pisa	IT	WINGS	Winds in galaxies	PE9
CORTECCHIA	Daniele	Fondazione Istituto Italiano di Tecnologia	Italian Institute of Technology	IT	SUPER	SUpramolecularly engineered functional PERovskite quantum wells	PE11
DE LUCA	Marta	Sapienza Università di Roma	Sapienza University of Rome	IT	NANOWHYR	Dots-in-NANOWires by near-field illumination: novel single-photon sources for HYbRid quantum photonic circuits	PE3
DELL'AMICO	Luca	Università degli Studi di Padova	University of Padova	IT	SYNPHOCAT	Synthetic Bimodal Photoredox Catalysis: Unlocking New Sustainable Light-Driven Reactivity	PE5
DI LORENZO	Flaviana	Università degli Studi di Napoli Federico II	University of Naples Federico II	IT	DEBUGGING-LPS	Deciphering and Exploiting the chemical features of Silent Lipopolysaccharides: a gift from gut microbiota	PE5
DI TEODORO	Enrico	Università degli Studi di Firenze	University of Florence	IT	MW-WINDS	The Milky Way system as a laboratory to understand the role of galactic winds in galaxy evolution	PE9
MONTALTO	Riccardo	Università degli studi di Milano	University of Milan	IT	HamDyWWa	Hamiltonian Dynamics, Normal Forms and Water Waves	PE1



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PAMATO	Martha Giovanna	Università degli Studi di Padova	University of Padova	IT	INHERIT	Diamonds as the key to unravel the origin of Earth's water	PE10
PAPANGELO	Antonio	Politecnico di Bari	Polytechnic University of Bari	IT	SURFACE	Towards Future Interfaces with Tuneable Adhesion by Dynamic Excitation	PE8
PERARO	Tiziano	Università di Bologna	University of Bologna	IT	FFHiggsTop	High-precision multi-leg Higgs and top physics with finite fields	PE2
PERFETTI	Mauro	Università degli Studi di Firenze	University of Florence	IT	ELECTRA	ELEctrically ConTRolled magnetic Anisotropy	PE5
PISELLO	Anna Laura	Università degli Studi di Perugia	University of Perugia	IT	HELIOS	the new generation of scalable urban HEat isLand mitigatIOn by means of adaptive photoluminescent radiative cooling Skins	PE8
PREZZA	Nicola	Universita Ca' Foscari Venezia	Ca' Foscari University of Venice	IT	REGINDEX	Compressed Indexes for Regular Languages with Applications to Computational Pan-genomics	PE6
SCALET	Giulia	Università degli Studi di Pavia	University of Pavia	IT	CoDe4Bio	COMputational DEsign for 4D BIOfabrication: harnessing programmable materials for dynamic pre-clinical cancer models	PE8
SCUDERI	Marco Maria	Sapienza Università di Roma	Sapienza University of Rome	IT	HYQUAKE	Hydromechanical coupling in tectonic faults and the origin of aseismic slip, quasi-dynamic transients and earthquake rupture	PE10

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SZABO	Botond	Università Commerciale 'Luigi Bocconi'	Bocconi University	IT	BigBayesUQ	The missing mathematical story of Bayesian uncertainty quantification for big data	PE1
AUBIN-TAM	Marie-Eve	Technische Universiteit Delft	Delft University of Technology	NL	AlgaeLeaf	Light-responsive microalgal living materials	PE11
BAEUMER	Christoph	Universiteit Twente	University of Twente	NL	Interfaces at Work	Interface-sensitive Spectroscopy of Atomically-defined Solid/Liquid Interfaces Under Operating Conditions	PE4
CANEVA	Sabina	Technische Universiteit Delft	Delft University of Technology	NL	SIMPHONICS	Single-Molecule Acousto-Photonic Nanofluidics	PE7
FORNER-CUENCA	Antoni	Technische Universiteit Eindhoven	Eindhoven University of Technology	NL	FAIR-RFB	Engineered Porous Electrodes to Unlock Ultra-low Cost Fe-Air Redox Flow Batteries	PE8
HARE	Brian	Dutch Research Organisation (N.W.O)	N.W.O	NL	LIFT	Lightning corona Imaging From a radio Telescope	PE10
HENSEN	Bas	Universiteit Leiden	Leiden University	NL	CLOSEtoQG	Cryogenic on-chip Levitated Optomechanics for a Spin Entanglement witness to Quantum Gravity	PE2
HUISMAN	Sander	Universiteit Twente	University of Twente	NL	MELTDYN	Understanding the melting dynamics in turbulent flows	PE8

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JEFFERY	Stacey	Dutch Research Organisation (N.W.O)	N.W.O	NL	ASC-Q	Algorithms, Security and Complexity for Quantum Computers	PE6
KRAUS	Peter	Dutch Research Organisation (N.W.O)	N.W.O	NL	ANACONDA	Attosecond nanoscopy of electron dynamics in strongly correlated materials	PE7
NORTE	Richard	Technische Universiteit Delft	Delft University of Technology	NL	EARS	Extreme-Aspect-Ratio nanoSystems	PE11
ŠAVIJA	Branko	Technische Universiteit Delft	Delft University of Technology	NL	ACC-3D	Auxetic Cementitious Composites by 3D Printing	PE8
SERRA GARCIA	Marc	Dutch Research Organisation (N.W.O)	N.W.O	NL	INFOPASS	Information processing in passive elastic structures	PE7
SMITS	Anthal	Technische Universiteit Eindhoven	Eindhoven University of Technology	NL	MACxercise	Dissecting Macrophage Mechanobiology to Engineer Immuno-Regenerative Biomaterials	PE11
TURA BRUGUÉS	Jordi	Universiteit Leiden	Leiden University	NL	FINE-TEA-SQUAD	First NEar-TErm ApplicationS of QUAntum Devices	PE2
VEDANTHAM	Harish	Dutch Research Organisation (N.W.O)	N.W.O	NL	STORM-CHASER	Chasing plasma storms on exoplanets	PE9

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VELEMA	Willem	Radboud Universiteit Nijmegen	Radboud University Nijmegen	NL	RiboChem	Chemical Tools for Transcriptome-wide Analysis and Modulation of RNA	PE5
HEARST	Jason	Norges teknisk-naturvitenskapelige universitet Trondheim	Norwegian University of Science and Technology Trondheim	NO	GLITR	Breaking through: The Impact of Turbulence on the Gas-Liquid Interface	PE8
LAESTADIUS	Andre	Universitetet i Oslo	University of Oslo	NO	REGAL	Regularized Density-Functional Analysis	PE4
CHORAZY	Szymon	Uniwersytet Jagiellonski	Jagiellonian University, Krakow	PL	LUMIFIELD	Chiral Metal-Based Luminophores for Multi-Field Responsive Bistable Switches	PE5
SKOWRON	Dorota	Uniwersytet Warszawski	University of Warsaw	PL	LSP-MIST	A MISTery of Long Secondary Periods in Pulsating Red Giants - Traces of Exoplanets?	PE9
TOMZA	Michal	Uniwersytet Warszawski	University of Warsaw	PL	QuantMol	Ultracold polyatomic molecules for controlled chemistry and precision physics	PE4
ROSA DOMINGOS	Sergio Miguel	Universidade de Coimbra	University of Coimbra	PT	MiCRoARTiS	Microwave Fingerprinting Artificial Molecular Motors in Virtual Isolation	PE4
SOUTO	Manuel	Universidade de Aveiro	University of Aveiro	PT	ELECTROCOFS	Molecular Design of Electrically Conductive Covalent Organic Frameworks as Efficient Electrodes for Lithium-Ion Batteries	PE11

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GUDMUNDSSON	Jon	Stockholms Universitet	Stockholm University	SE	CMBeam	Transforming cryogenic optics for cosmic microwave background experiments	PE9
LIVERTS	Michael	Kungliga Tekniska Högskolan	KTH Royal Institute of Technology	SE	DYNPRESS	Towards materials at extremes: from intense dynamic compression to expansion	PE8
LUNNAN	Ragnhild	Stockholms Universitet	Stockholm University	SE	TransPIre	Transients Illuminating the Fates of the Most Massive Stars	PE9
STAVRINIDOU	Eleni	Linköping Universitet	Linköping University	SE	4D-PhytoHybrid	Plant based 4D biohybrid systems	PE11
WILD	Birgit	Stockholms Universitet	Stockholm University	SE	PRIMETIME	Rhizosphere priming: Quantifying plant impacts on carbon dioxide emissions from a warming Arctic	PE10
BEKER	Levent	Koç Üniversitesi	Koc University	TR	2ND-CHANCE	Implantable sensors and ultrasonic data link with triggered bioresorption for next-gen wireless cardiac monitoring	PE7
ERGEN	Onur	İstanbul Teknik Üniversitesi	Istanbul Technical University	TR	QUEEN	Quantum Super-Exchange Energy Storage Platform	PE8
BRUNO	Carlo	University of Edinburgh	University of Edinburgh	UK	ELDAR	Burning Questions on the Origins of Elements in the Lives and Deaths of Stars	PE2

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CULLEN	Fergus	University of Edinburgh	University of Edinburgh	UK	ICE	Inception of the Chemical Elements	PE9
DEFIENNE	Hugo	University of Glasgow	University of Glasgow	UK	SQIMic	Structuring Quantum Light for Microscopy	PE7
DERINGER	Volker	University of Oxford	University of Oxford	UK	AMADAS	Amorphous Materials by Design through Atomistic Simulations	PE4
DI MARTINO	Giuliana	University of Cambridge	University of Cambridge	UK	PlasmoFED	Plasmon-Enhanced FerroElectric Discovery	PE7
HIRAYAMA	Ryuji	University College London	University College London	UK	FabDisp	Acoustic Holography for Multimodal 3D Display and Fabrication	PE6
HOYE	Robert	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	HERALD	Pnictogen-based semiconductors for Harvesting Energy from Ambient Light to power autonomous Devices	PE11
KEATING	Ailsa	University of Cambridge	University of Cambridge	UK	SingSymp	Singularities and symplectic mapping class groups	PE1
KENZIE	Matthew	University of Warwick	University of Warwick	UK	KstarKstar	The flavour of New Physics in the loops of hadronic beauty decays	PE2

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LOZADA-HIDALGO	Marcelo	University of Manchester	University of Manchester	UK	ASIEVE	Atomic scale sieves	PE3
MAURER	Reinhard	University of Warwick	University of Warwick	UK	DeepSpark	Deep learning enabled simulation of plasmonic photocatalysis	PE4
MILOT	Rebecca	University of Warwick	University of Warwick	UK	SHINE	Shining Light on Metal Halide Perovskite Stability with Nanoscale Optical Microscopy and Ultrafast Spectroscopy	PE4
ROSOTTI	Giovanni	University of Leicester	University of Leicester	UK	DiscEvol	Rebuilding the foundations of planet formation: proto-planetary disc evolution	PE9
SLAGER	Robert-Jan	University of Cambridge	University of Cambridge	UK	MultiTop	Multi-gap topological physics: from a new geometric perspective to materials	PE3
THORNEYWORK	Alice	University of Cambridge	University of Cambridge	UK	NOISE2SIG	The noise is the signal: exploring physico-chemical fluctuations with multiscale experimental models	PE3
WALPORT	Louise	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	cPTM-DISPLAY	cPTM-display: An encoded platform for the identification of chemically diverse cyclic peptides	PE5