

ERC Advanced Grants 2023

List of Principal Investigators invited for funding from the reserve list

All domains

The final list of successful candidates is 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 for the above-mentioned call. 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
Maffei	Matteo	Technische Universität Wien	Vienna University of Technology	AT	BlockSec	Formal Methods for Secure Blockchain-Oriented Programming	PE6
Doerner	Reinhard	Johann Wolfgang Goethe Universität Frankfurt am Main	Goethe University Frankfurt am Main	DE	Timing-FreePhase	Phase, time and correlations in free electron wave packets	PE2
Fraser	Alex	Ludwig-Maximilians-Universität München	University of Munich (LMU)	DE	EPICAL	Evaluating and Programming Intelligent Chatbots for Any Language	PE6
Haak	Wolfgang	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	ROAMANCE	Roaming Ancestry – Landscapes of social and genetic relations in prehistory	SH6
Hertweck	Christian	Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie Ev Hans-Knöll-Institut	Leibniz Institute for Natural Product Research and Infection Biology	DE	AnoxyGen	Harnessing Specialized Metabolism from Anaerobes	LS9
Isermann	Berend	Universität Leipzig	Leipzig University	DE	TameThiflam	Targeting mechanisms of Thrombo-inflammation	LS7
Ulrich	Helle	Institut für Molekulare Biologie gGmbH	Institute of Molecular Biology	DE	UBICODEWRITE RS	(Re-)Writing the Ubiquitin Code – Manipulating Polyubiquitin Chain Linkage to Investigate Ubiquitin Signalling in Genome Maintenance and Beyond	LS1
Vallier	Ludovic	Charité - Universitätsmedizin Berlin	Charité - University Hospital	DE	FunChol	Function of Cholangiocytes in chronic liver diseases	LS7

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Wen	Dongsheng	Technische Universität München	Technical University of Munich	DE	NanoLPC	Engineering light induced phase change for emerging nanoscale processes	PE8
Fabra Portella	Natalia	Universidad Carlos III de Madrid	University Charles III, Madrid	ES	ENERGY-IN-TRANSITION	Socio-Economic Challenges and Opportunities of the Energy Transition	SH1
Garcia	Hermenegildo	Universitat Politècnica de València	Polytechnic University of Valencia	ES	DISCOVERY	Mxenes as Thermal Catalysts. Exploiting the Ideal Properties of Chameleonic Materials	PE4
Liljeroth	Peter	Aalto-yliopisto	Aalto University	FI	GETREAL	Realizing designer quantum matter in van der Waals heterostructures	PE3
Borisova	Anastassia	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	PLANETAFELSIC	The formation and evolution of the primordial planetary felsic crust	PE10
Cavalli	giacomo	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	WaddingtonMemory	Deciphering the role of regulatory factors driving epigenetic inheritance of alternative chromatin states	LS2
Drettakis	George	Institut National de Recherche en Informatique et en Automatique	National Institute for Research in Computer Science and Automatic Control (INRIA)	FR	NERPHYS	Empowering Neural Rendering Methods with Physically-Based Capabilities	PE6
Houdayer	Cyril	Ecole Normale Supérieure PSL	ENS PSL	FR	NET	Noncommutative ergodic theory of higher rank lattices	PE1
Kennedy	Henry	Institut national de la santé et de la recherche médicale	National Institute of Health and Medical Research (INSERM)	FR	PREDICTION	Active Inference and the Circuits of Precision and Prediction	LS5

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Lacour	Sylvestre	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	PLANETES	Uncovering New Worlds: Enhancing Optical Interferometry to detect reflected light exoplanet	PE9
Martin	Donald	Université Grenoble Alpes	University of Grenoble	FR	Energion	Biological engineering of ion-transporting systems for energy production and storage	PE7
Roch	Jean-François	Ecole normale supérieure Paris-Saclay	ENS Paris-Saclay	FR	QPRESSE	Quantum Probes for High-Pressure Superconductivity	PE3
Schull	Guillaume	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	AETHER	Atomic-scale Photochemistry	PE4
Singh	Satish	Institut de Physique du Globe de Paris	Institute of Earth Physics of Paris (IPGP)	FR	MohoLAB	Mohorovičić discontinuity and Lithosphere-Asthenosphere Boundary	PE10
Zitvogel	Laurence	Institut Gustave Roussy	Institut Gustave Roussy	FR	MADCAM	Microbiota-controlled trafficking of immunosuppressive intestinal T cells into cancer	LS6
Worthington	Martin	Trinity College Dublin	Trinity College Dublin	IE	MesOr	Mesopotamian Orality and the Anthropology of Writing	SH5
Conti	CLAUDIO	Sapienza Università di Roma	Sapienza University of Rome	IT	HYPERSPIM	Optoelectronic and all-optical hyperspin machines for large-scale computing	PE7
Bonn	daniel	Universiteit van Amsterdam	University of Amsterdam	NL	RayleighSprays	Precision Rayleigh jet sprays	PE8
Dekker	Nynke	Technische Universiteit Delft	Delft University of Technology	NL	DYNAREP	Illuminating the dynamics of eukaryotic replication on DNA and chromatin	LS1

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Ettema	Thijs	Wageningen University	Wageningen University	NL	DARK-ROOTS	Light on our dark past: Elucidating the deep archaeal roots of eukaryotic cellular complexity	LS8
Huskens	Jurriaan	Universiteit Twente	University of Twente	NL	RECRUIT	Receptor Recruitment as an Organizational Principle for Self-Assembling Matter	PE5
Kirilyuk	Andrei	Radboud Universiteit	Radboud University Nijmegen	NL	INTERPHON	Interactive phononic matter: reshaping crystal landscapes for ultrafast switching	PE3
Konijn	Elly	Vrije Universiteit Amsterdam	VU Amsterdam	NL	ROBOT-BOND	Understanding Human-Robot Bonding to Optimize Personal Support	SH3
Mommer	Liesje	Wageningen University	Wageningen University	NL	DIGDEEP	Digging Deep: An Underground Plant Trait Perspective on Diversity-Disease Relationships	LS8
Rabelink	Ton	Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Leiden University Medical Center (LUMC)	NL	SPARK	Spatial Metabolic Regulation in Kidney Repair	LS4
Silk	Jonathan	Universiteit Leiden	Leiden University	NL	BEST	Buddhism's Early Spread to Tibet: Dunhuang and the Influence of Sinitic Scriptures	SH5
Sommerdijk	Nico	Radboud Universitair Medisch Centrum	Radboud University Medical Center	NL	REVALVE	Real-time Multiscale Imaging of Pathological Calcification - Zooming in on Aortic Valve Calcification	PE4
Van Rij	Ronald	Radboud Universitair Medisch Centrum	Radboud University Medical Center	NL	PIWIdefense	PIWI-interacting RNAs at the interface of virus-host conflicts in Aedes aegypti mosquitoes	LS6

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Hansen	Alex	Norges teknisk-naturvitenskapelige universitet Trondheim	Norwegian University of Science and Technology Trondheim	NO	AGIPORE	A Statistical Mechanics Framework for Immiscible Two-Phase Flow in Porous Media	PE8
Nightingale	Andrea	Universitetet i Oslo	University of Oslo	NO	UNRULY	Unruly entanglements of sociomaterial change, knowledge, and power in energy frontiers	SH7
Zyczkowski	Karol	Uniwersytet Jagiellonski	Jagiellonian University, Krakow	PL	TAtypic	Typical and Atypical structures in quantum theory	PE2
Machado	Helena	Universidade do Minho	University of Minho	PT	fAlces	Facial Recognition Technologies. Etho-Assemblages and Alternative Futures	SH3
Maiato	Helder	Instituto de Investigação e Inovação em Saúde da Universidade do Porto	i3S	PT	KAREVO	How dividing cells adapt to karyotypic evolution	LS3
Jerala	Roman	Kemijski inštitut	National Institute of Chemistry in Ljubljana	SI	PROFI	Protein function regulation through inserts for response to biological, chemical and physical signals	LS9
Baiasu	Sorin	University of Keele	University of Keele	UK	KantianDESERT	Kantian Justice: A Desert-sensitive Responsibility-enhancing Theory	SH5
Doyon	Benjamin	King's College London	King's College London	UK	UNIHYPE	Universal hydrodynamic principles and emergent physics	PE2

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Galeotti	Andrea	London Business School	London Business School	UK	Homophily Interacts	Social structure, Homophily and Outcomes	SH1
Giacca	Mauro	King's College London	King's College London	UK	HELP-GT	Small RNA adjuvants for efficient cardiac gene therapy and gene editing	LS4
Goodwin	Andrew	University of Oxford	University of Oxford	UK	TRUMAT	TRUchet-Tile MATerials: A New Aperiodic Architecture for Functional Materials Design	PE5
Gubinelli	Massimiliano	University of Oxford	University of Oxford	UK	StochFields	Stochastic analysis of quantum fields	PE1
Li	Baojiu	Durham University	Durham University	UK	UNCA	Unveiling the Nature of the Cosmic Acceleration	PE9
Lyons	David	University of Edinburgh	University of Edinburgh	UK	Axon-diameter	Axon diameter in neural circuit formation and function	LS5