

ERC Consolidator Grants 2022

List of Principal Investigators invited for funding from the reserve list

PE domain

The 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
Pfrengele	Fabian	Universität für Bodenkultur Wien	University of Natural Resources and Life Sciences	AT	ASAP	Automated Synthesis of Algal Polysaccharides	PE5
Alsteens	David	Université catholique de Louvain	Catholic University of Louvain	BE	SingViroPhys	Deciphering the nanobiophysics of virus-host interactions in 3D cellular systems	PE4
Breugelmans	Tom	Universiteit Antwerpen	University of Antwerp	BE	TRANSCEND	In-depth understanding of multiphase mass transfer in CO ₂ electrolyzers through application of engineered, ordered reactor components	PE8
Bulava	John	Stiftung Deutsches Elektronen-Synchrotron	DESY	DE	StrangeScatt	Strange nuclear matter from first-principles hadron scattering amplitudes	PE2
Esser	Birgit	Universität Ulm	Ulm University	DE	NanOBatt	Nanoporous and redox-active hoops and macrocycles as organic electrode materials for batteries	PE5
Herwartz	Daniel	Universität Zu Köln	University of Cologne	DE	KinO	The kinetic oxygen cycle in chemical sediments	PE10
Reineke	Sebastian	Technische Universität Dresden	Technical University of Dresden	DE	SLOWTONICS	Slow excitonics for minimalistic and sustainable photonic and optoelectronic systems	PE7

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Martin	Jaime	Universidade da Coruña	University of A Coruña	ES	PARACRYST	The Semi-paracrystalline Organization in Polymers: Towards Stable Organic Solar Cells	PE11
Ponrouch	Alexandre	Agencia Estatal Consejo Superior de Investigaciones Científicas	Spanish National Research Council (CSIC)	ES	MULTIMETALBAT	Multi-metal anode: Towards safe and energy dense batteries	PE8
Stefanon	Mauro	Universitat de València	University of Valencia	ES	SFEER	JWST Breakthrough in Galaxy Formation: Mass Build-up Efficiency at Cosmic Dawn	PE9
Dalmonte	Marcello	United Nations Educational, Scientific and Cultural Organization - UNESCO	UNESCO	FR	WaveNets	Wave-function Networks: Probe and understand quantum many-body systems via network and complexity theory	PE2
Mivelle	Mathieu	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	FemtoMagnet	Manipulating magnetic domains through femtosecond pulses of magnetic field	PE7
Murdoch	Naomi	Institut Supérieur de l'Aéronautique et de l'Espace	ISAE-SUPAERO	FR	GRAVITE	Geotechnical Research for spAce enVironments using an Innovative Tower Experiment	PE10
Padoy	Nicolas	Université de Strasbourg	University of Strasbourg	FR	CompSURG	Computational Methods to Analyse Intra-operative Adverse Events in Surgery at Scale	PE6
Cardiff	Philip	University College Dublin	University College Dublin	IE	XenoSim	Providing Computational Insights into Cardiac Xenotransplantation	PE8

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Brakerski	Zvika	Weizmann Institute of Science	Weizmann Institute of Science	IL	ACQUA	Advanced Cryptography for the Quantum Age	PE6
Schlank	Tomer	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	AlgChrom	Chromatic Algebraic Geometry	PE1
Gaspari	Massimo	Istituto Nazionale di Astrofisica	National Institute for Astrophysics (INAF)	IT	BlackHoleWeather	Black Hole Feeding and Feedback Unification	PE9
Vignati	Marco	Sapienza Università di Roma	Sapienza University of Rome	IT	DANAE	Dark matter and neutrino experiment with monolithic arrays of cryogenic detectors	PE2
Baker	Matthew	Universiteit Maastricht	Maastricht University	NL	SupraValent	Supramolecular & Covalent Bonds for Engineering Spatiotemporal Complexity in Hydrogel Biomaterials	PE11
Hodge	Jacqueline	Universiteit Leiden	Leiden University	NL	VOYAJ	A new View of Young galaxies with ALMA and JWST	PE9
Leão	Pedro	Ciimar - Centro Interdisciplinar de Investigação Marinha E Ambiental	Interdisciplinary Centre of Marine and Environmental Research	PT	GREASEDLIGHTNING	Enzymatic chemistry acting on alkyl chains	PE5
Maia	Filipe	Uppsala Universitet	Uppsala University	SE	FemtoPix	Imaging Ultrafast Single Particle Macromolecular Dynamics with X-ray Lasers	PE3

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Splettstoesser	Janine	Chalmers tekniska högskola	Chalmers University of Technology	SE	NanoRecycle	On-chip waste recovery in quantum and nanoscale devices guided by novel performance quantifiers	PE3
Ozgur	Arzucan	Boğaziçi Üniversitesi	Boğaziçi University	TR	LifeLU	Understanding the Language of Life: Identifying and Characterizing the Language Units in Protein Sequences	PE6
Brantut	Nicolas	University College London	University College London	UK	RockDeath	Role of fluids in rock deformation and the earthquake cycle	PE10
Goldberg Oppenheimer	Pola	University of Birmingham	University of Birmingham	UK	EyeTBI	Simultaneous Eye-safe Spectroscopy and Fundus Imaging Technology for Point-of-Care Detection of Traumatic Brain Injury	PE7