ERC Advanced Grants 2022

List of Principal Investigators invited for funding from the reserve list

Physical Sciences and Engineering domain

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. 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
Angelidaki	Irini	Danmarks Tekniske Universitet	Technical University of Denmark	DK	ANAEROB	The ANAEROBic treasure trunk	PE8
Pisinger	David	Danmarks Tekniske Universitet	Technical University of Denmark	DK	DECIDE	Machine learning for decision making under uncertainty	PE6
Mander	Ulo	Tartu Ülikool	University of Tartu	EE	PeatlandN2O	N2O Budgets in Peatlands - from Process to Ecosystem	PE10
Smaragdakis	Yannis	Ethniko Kai Kapodistriako Panepistimio Athinon	National and Kapodistrian University of Athens	EL	PINDESYM	Program Intelligence, Declaratively and Symbolically	PE6
Gómez de Castro	Ana Inés	Universidad Complutense de Madrid	University Complutense Madrid	ES	ENIMUS	Investigation of the Enantiomeric Imbalance in the Solar System through Ultraviolet Spectropolarimetry	PE9
Boisbouvier	Jerome	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	XXL-NMR	New Routes for the Solution NMR Investigations of Extra Large Biomolecular Assemblies	PE4
Chipot	Christophe	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	MilliInMicro	A holistic approach to bridge the gap between microsecond computer simulations and millisecond biological events	PE4

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Colombelli	Raffaele	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	SMART-QDEV	Strong light-matter coupled ultra-fast and non-linear quantum semiconductor devices	PE7
Labourie	François	Université Côte d'Azur	University of the Côte d'Azur	FR	AnSur	Geometric Analysis and Surface Groups	PE1
Leveque-Fort	Sandrine	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	TimeNanoLive	Time-based single molecule nanolocalization for live cell imaging	PE7
English	Niall	University College Dublin	University College Dublin	IE	NIMBLE	Engineering and Manipulating Green Solvents by Nano-Bubbles	PE8
Nati	Federico	Università degli studi di Milano-Bicocca	University of Milan-Bicocca	IT	POLOCALC	POLarization Orientation CALibrator for Cosmology	PE9
Pancino	Elena	Istituto Nazionale di Astrofisica	National Institute for Astrophysics (INAF)	IT	StarDance	StarDance: the non-canonical evolution of stars in clusters	PE9
Janssen	Rene	Technische Universiteit Eindhoven	Eindhoven University of Technology	NL	PERSTACK	Perovskite triple and quadruple junction solar cells	PE5
Otte	Sander	Technische Universiteit Delft	Delft University of Technology	NL	HYPSTER	Hyperfine coupled spins with time evolution readout	PE3

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Edman	Ludvig	Umea universitet	Umea University	SE	InnovaLEC	Sustainable light-emitting devices through control of dynamic doping	PE11
Prosen	Tomaz	Univerza v Ljubljani	University of Ljubljana	SI	QUEST	Quantum Ergodicity: Stability and Transitions	PE2
Del Pino	Manuel	University of Bath	University of Bath	UK	AsymEvol	Asymptotic patterns and singular limits in nonlinear evolution problems	PE1
Gregori	Gianluca	University of Oxford	University of Oxford	UK	JETLAB	Unveiling the Physics of High-Density Relativistic Pair Plasma Jets in the Laboratory	PE2
Hirohata	Atsufumi	University of York	University of York	UK	SAHAJ	Strain-Free All Heusler Alloy Junctions	PE11
Johnes	Penny	University of Bristol	University of Bristol	UK	REFRESH	Researching the role of dissolved organic matter as a nutrient resource in freshwater ecosystems	PE10
Yeomans	Julia	University of Oxford	University of Oxford	UK	ActBio	Exploiting the Parallels between Active Matter and Mechanobiology	PE3