ERC Advanced Grants 2021
List of Principal Investigators selected for funding from the reserve list

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
BLOMER	Valentin	Rheinische Friedrich-Wilhelms-Universität Bonn	University of Bonn	DE	AuForA	Automorphic Forms and Arithmetic	PE1
DUDA	Georg	Charité - Universitätsmedizin Berlin	Charité - University Hospital	DE	Immuno-mechanics	ENGINEERING CELLULAR SELF-ORGANISATION BY CONTROLLING THE IMMUNO-MECHANICAL INTERPLAY	PE11
DYAKONOV	Vladimir	Julius-Maximilians Universität Würzburg	University of Wurzburg	DE	BoNi-SENS	Quantum Sensing with van der Waals Heterostructures based on hexagonal Boron Nitride	PE3
FINKBEINER	Bernd	CISPA Helmholtz-Zentrum für Informationssicherheit	CISPA Helmholtz Center for Information Security	DE	HYPER	Logics and Algorithms for a Unified Theory of Hyperproperties	PE6
SCHUBERT	Ulrich	Friedrich-Schiller-Universität Jena	Friedrich Schiller University Jena	DE	FutureBAT	Future storage systems for the energy transition: Polymer-based redox-flow batteries	PE5
SCHUMACHER	Joerg	Technische Universität Ilmenau	Ilmenau University of Technology	DE	MesoComp	Order at the Mesoscale: Connecting supercomputing of compressible convection to classical and quantum machine learning	PE8
ANDERSEN	Ulrik	Danmarks Tekniske Universitet	Technical University of Denmark	DK	ClusterQ	Scalable quantum computing with continuous variable cluster states	PE2
GINEBRA	Maria Pau	Universitat Politècnica de Catalunya	Polytechnic University of Catalonia	ES	BAMBBI	Bio-inspired AntiMicrobial Bone Bioceramics: Deciphering contact-based biocidal mechanisms	PE11
MARTIN	Eduardo L.	Instituto de Astrofísica de Canarias	The Institute of Astrophysics of the Canary Islands (IAC)	ES	SUBSTELLAR	Substellar Science with the Euclid Space Mission	PE9
MARTINEZ MANEZ	Ramon	Universitat Politècnica de València	Polytechnic University of Valencia	ES	EDISON	Engineered Particles for Chemical Communication	PE5

Last name	First name	Host Institution Local name	Host Institution Name	Host country	Acronym	Title	Panel
VAN HULST	Niek	Institut de Ciències Fotòniques	Institute of Photonic Sciences	ES	FastTrack	Photons and Electrons on the Move	PE4
COMPARAT	Daniel	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	CITRON	Correlated Ion elecTRon fOr Nanoscience	PE7
MANCEAU	Alain	European Synchrotron Radiation Facility	European Synchrotron Radiation Facility	FR	DEEP-SEE	Fathoming SEquestration and Enrichment of metals in DEEP marine deposits with novel micro-X-ray emission spectroscopy	PE10
SANTAMBROGIO	Filippo	Université Claude Bernard Lyon 1	Claude Bernard Lyon 1 University	FR	EYAWKAJKOS	Everything You Always Wanted to Know About the JKO Scheme	PE1
HANEIN	Yael	Tel Aviv University	Tel Aviv University	IL	Outer-Ret	Non-invasive patterned electrical neurostimulation of the retina	PE7
FLANDOLI	Franco	Scuola Normale Superiore	Scuola Normale Superiore - Pisa	IT	NoisyFluid	Noise in Fluids	PE1
MODUGNO	Giovanni	Università degli Studi di Firenze	University of Florence	IT	Supersolids	Supersolids: unveiling an extraordinary quantum phase of matter	PE2
BISAGNI	Chiara	Technische Universiteit Delft	Delft University of Technology	NL	NABUCCO	New Adaptive and BUCkling-driven COmposite aerospace structures	PE8
KIMEL	Aleksei	Radboud Universiteit	Radboud University	NL	SPARTACUS	Scenarios and Principles for Antiferromagnetic Recording: taming spins coherently and ultrafast	PE3
KUIPERS	Hans	Technische Universiteit Eindhoven	Eindhoven University of Technology	NL	MOD3CAT	Modelling of three-phase flows with catalytic particles	PE8
HANSEN	D Flemming	University College London	University College London	UK	DeepNMR	Unleashing the full potential of NMR spectroscopy with artificial intelligence and deep learning	PE4
JARVIS	Matt	University of Oxford	University of Oxford	UK	HIandMIGHTEE	From gas to galaxies with the MIGHTEE survey	PE9

Last name	First name	Host Institution Local name	Host Institution Name	Host country	Acronym	Title	Panel
KALLIADASIS	Serafim	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	MAGFFDDFT	Machine-Aided General Framework for Fluctuating Dynamic Density Functional Theory	PE8
MAIOLINO	Roberto	University of Cambridge	University of Cambridge	UK	RISEandFALL	The rise and fall of galaxies in the early Universe	PE9
MASSELINK	Gerd	University of Plymouth	University of Plymouth	UK	ARISE	Natural Adaptation of Atoll Islands to Sea-Level Rise Offering Opportunities for Ongoing Human Occupation	PE10
SCHAFER-NAMEKI	Sakura	University of Oxford	University of Oxford	UK	GenSym	Generalized Symmetries in Quantum Field Theory and Quantum Gravity	PE2
WALSH	Aron	Imperial College of Science, Technology and Medicine	Imperial College of Science, Technology and Medicine	UK	SuperMOF	Supercharging Metal-Organic Frameworks	PE11
WOOD	Bernie	University of Oxford	University of Oxford	UK	Vulcansfluids	The behaviour of halogens and sulphur in natural high temperature processes	PE10
WORRELL	James	University of Oxford	University of Oxford	UK	BeLinDySys	Beyond Linear Dynamical Systems	PE6