

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.

All domains

at time of application

Last name	First name	Host Institution Local name	Host Institution Name	Host country	Acronym	Title	Panel
VON LINGEN	Kerstin	Universität Wien	University of Vienna	AT	GLORE	Global Resettlement Regimes: Ambivalent Lessons learned from the Postwar (1945-1951)	SH6
ZIMMER	Manuel	Universität Wien	University of Vienna	AT	elegansBrainBo dyEnvi	Mechanisms and Functions of Brain- Body- Environment Interactions in <i>C.</i> <i>elegans</i>	LS5
AERTS	Stein	Vlaams Instituut voor Biotechnologie	Flanders Institute for Biotechnology (VIB)	BE	Genome2Cells	Decoding animal genomes into cell types	LS2
DE VEYLDER	Lieven	Vlaams Instituut voor Biotechnologie	Flanders Institute for Biotechnology (VIB)	BE	UNROPO	Unlocking de novo Rooting Potential	LS9
BLOMER	Valentin	Rheinische Friedrich- Wilhelms-Universität Bonn	University of Bonn	DE	AuForA	Automorphic Forms and Arithmetic	PE1
CHICHKOV	Boris	Leibniz Universität Hannover	Leibniz University Hannover	DE	Laser-Tissue- Perfuse	Laser biofabrication of 3D multicellular tissue with perfusable vascular network	LS9
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 Würzburg	DE	BoNi-SENS	Quantum Sensing with van der Waals Heterostructures based on hexagonal Boron Nitride	PE3
FINKBEINER	Bernd	CISPA Helmholtz- Zentrum für Informationssicherhe it	CISPA Helmholtz Center for Information Security	DE	HYPER	Logics and Algorithms for a Unified Theory of Hyperproperties	PE6
REHLING	Peter	Universitätsmedizin Göttingen Georg- August-Universität	University Medical Center Göttingen	DE	MiXpress	Mitochondrial gene eXpression	LS1
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

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VON MUTIUS	Erika	Helmholtz Zentrum München - Deutsches Forschungszentrum für Gesundheit und Umwelt	Helmholtz Munich - German Research Centre for Environmental Health	DE	APROSUS	Microbiome-derived asthma and allergy protective substances for prevention	LS4
ANDERSEN	Ulrik	Danmarks Tekniske Universitet	Technical University of Denmark	DK	ClusterQ	Scalable quantum computing with continuous variable cluster states	PE2
ROSENKILDE	Mette	Københavns Universitet	University of Copenhagen	DK	MEDICATE	Molecular dissection of viral genomes for future antiviral treatments	LS7
GINEBRA	Maria Pau	Universitat Politècnica de Catalunya	Polytechnic University of Catalonia	ES	BAMBI	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
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
JANKE	Carsten	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	CytoTune	Revealing microtubule fine-tuning as a cytoskeletal mechanism underlying cellular homeostasis	LS3
KROEMER	Guido	Université de Paris	University of Paris	FR	ICD-Cancer	Immunogenic cell death (ICD) in the cancer-immune dialogue	LS4
LAERKE	Mogens	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	NOTCOM	The Common Notion. Science and Consensus in the Seventeenth Century	SH5

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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
REY	Patrick	Toulouse School of Economics	Toulouse School of Economics	FR	DIGECON	Competition and regulation in the digital economy	SH1
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
SIMON	Jean- Christophe	Institut national de recherche pour l'agriculture, l'alimentation et l'environnement	INRAE	FR	ALTEREVO	Evolutionary and Molecular Determinants of a Nutritional Polyphenism	LS8
ROSS	Paul	University College Cork, National University of Ireland	University College Cork, National University of Ireland	IE	BACtheWINNER	Bacteriocins from interbacterial warfare as antibiotic alternative	LS9
HANEIN	Yael	Tel Aviv University	Tel Aviv University	IL	Outer-Ret	Non-invasive patterned electrical neurostimulation of the retina	PE7
SHANY	Yuval	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	DigitalHRGenera tion3	Three Generations of Digital Human Rights	SH2
TANAY	Amos	Weizmann Institute of Science	Weizmann Institute of Science	IL	Cells2Tissues	Cellular models for tissue function in development and ageing	LS2
VARDI	Assaf	Weizmann Institute of Science	Weizmann Institute of Science	IL	VIBES	The impact of the viral shunt and its metabolic landscape on microbial lifestyles and the flow of carbon during algal blooms	LS8
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
OTTAVIANI	Marco	Università Commerciale 'Luigi Bocconi'	Bocconi University	IT	InfoEcoScience	Information Economics for Science	SH1
BISAGNI	Chiara	Technische Universiteit Delft	Delft University of Technology	NL	NABUCCO	New Adaptive and BUCKling-driven COMposite aerospace structures	PE8

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JAFFE	Rivke	Universiteit van Amsterdam	University of Amsterdam	NL	ANIMAPOLIS	Political Animals: A More-than-Human Approach to Urban Inequalities	SH3
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
VAN KUPPEVELD	Frank	Universiteit Utrecht	Utrecht University	NL	VIRLUMINOUS	Illuminating the enteroviral life cycle	LS6
BENJAMINSEN	Tor A.	Norges Miljø- og biovitenskapelige universitet	Norwegian University of Life Sciences	NO	LANDRESPONS E	New Perspectives on Land Dispossession, Violent Conflict and Migration in the West African Sahel	SH7
BUHAUG	Halvard	Institutt for fredsforskning Stiftelse	Peace Research Institute, Oslo	NO	POLIMPACT	Enabling politically sensitive climate change impact assessments for the 21st century	SH7
REES	Ellen	Universitetet i Oslo	University of Oslo	NO	NORN	Norwegian Romantic Nationalisms	SH5
INDRZEJCZAK	Andrzej	Uniwersytet Łódzki	University of Lodz	PL	ExtenDD	Coming to Terms: Proof Theory Extended to Definite Descriptions and other Terms	SH4
ARULANANDAM	Jeyaprakash	The University of Edinburgh	The University of Edinburgh	UK	CHROMSEG	Structural Basis for Centromere-Mediated Control of Error-free Chromosome Segregation	LS1
BALKWILL	Frances	Queen Mary University of London	Queen Mary University of London	UK	REMODEL	Remodelling Cancer Microenvironments	LS4
HALL	Edith	Durham University	Durham University	UK	AP	Aristoteles Pezogaphos: The Writing Styles of Aristotle and their Contribution to the Evolution of Ancient Greek Prose	SH5
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
JABRI	Vivienne	King's College London	King's College London	UK	INJURY	Mapping injury: the embodied, socio- cultural and material sites of political emergence	SH2
JARVIS	Matt	University of Oxford	University of Oxford	UK	HlandMIGHTEE	From gas to galaxies with the MIGHTEE survey	PE9

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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
NEWELL	Peter	University of Sussex	University of Sussex	UK	SUS-POL	Supply-Side Policies for Fossil Fuels	SH7
SABLOWSKI	Robert	John Innes Centre	John Innes Centre	UK	ReSizeD	Regulation of plant cell size coupled to DNA content	LS3
SCHAFFER-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