

ERC Starting Grants 2021

List of Principal Investigators selected for funding from the reserve list

Only for Principal Investigators whose Host Institutions are established in Switzerland:

Following the termination of the exploratory talks, Switzerland is considered a non-associated third country. As a result, Host Institutions established in Switzerland are not eligible for funding. Exceptionally for this call, since it was already closed before the termination of the negotiations, the proposals submitted with Swiss Host Institutions and which have been selected for funding may remain eligible provided that their Host Institution is replaced with a legal entity established in an eligible country.

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
TSIANTOULAS	Dimitrios	Medizinische Universität Wien	Medical University of Vienna	AT	The B-Miracle	The function of B cells in myocardial infarction-accelerated atherosclerosis	LS4
WILLEMSSEN	Anouk	Universität Wien	University of Vienna	AT	CHIMERA	The sympatric lifestyle of giant viruses: contact tracing and fitness through mobile genetic elements	LS8
COUVREUR	Valentin	Université catholique de Louvain	Catholic University of Louvain	BE	ThePlantWaterPump	The Plant Water Pump	LS9
JACOBS	Thomas	Vlaams Instituut voor Biotechnologie	Flanders Institute for Biotechnology (VIB)	BE	OMEGA	Developing technologies to engineer plant genomes at the megabase scale	LS2
MANCUSO	Renzo	Vlaams Instituut voor Biotechnologie	Flanders Institute for Biotechnology (VIB)	BE	XenoMicrogliaAD	Deciphering the microglia-neuron interactions in human Alzheimer's disease	LS5
BERTELSMEIER	Cleo	Université de Lausanne	University of Lausanne	CH	SPREAD	Globalized trade and the accidental spread of invasive species	LS8
BERENS	Philipp	Eberhard Karls Universität Tübingen	University of Tübingen	DE	NextMechMod	Next generation mechanistic models of retinal interneurons	LS5
BROICHHAGEN	Johannes	Forschungsverbund Berlin e.V.	Forschungsverbund Berlin e.V.	DE	deuterON	Introducing deuterium for next generation chemical biology probes and direct imaging	LS1
DEELEN	Joris	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	ElucidAge	Elucidating and targeting the mechanisms encoded in the genome of long-lived individuals to improve healthy ageing	LS4
HOSSEINZADEH	Zohreh	Universität Leipzig	Leipzig University	DE	NeuFRO	Inducing functionality in retinal organoids with electrical activities derived from developing retina	LS5
NOVIKOVA	Polina	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	HOW2DOUBLE	The basic principles of polyploidy in plants and animals	LS8

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SCHERF	Katharina	Karlsruher Institut für Technologie	Karlsruhe Institute of Technology	DE	GLUTENOMICS	Tracking gluten immunoreactive peptides from the grain to the gut and beyond	LS9
SCHNELL	Bettina	Stiftung Caesar	Caesar Research Center	DE	MOBY-FLY	Circuit mechanisms of behavioural variability in <i>Drosophila</i> flight	LS5
SIGAL	Michael	Charité - Universitätsmedizin Berlin	Charité - University Hospital	DE	REVERT	Regeneration as a Vulnerable State for Microbe-Driven Injury and Tumorigenesis	LS3
WESTERMANN	Alexander	Helmholtz-Zentrum für Infektionsforschung	Helmholtz Centre for Infection Research	DE	GUT-CHECK	Deciphering commensal-host-pathogen metabolic interactions to combat intestinal infections	LS6
WILFLING	Florian	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Max Planck Society	DE	IntrinsicReceptors	Intrinsic autophagy receptors: identity and cellular mechanisms.	LS1
BARRIGA	Francisco	Fundación Centro Nacional de Investigaciones Oncológicas Carlos III	Spanish National Cancer Research Centre (CNIO)	ES	MACHETE	Unraveling the Functional Complexity of Cancer Genomes through Chromosome Engineering	LS4
VAN WITTENBERGHE	Shari	Universitat de València	University of Valencia	ES	PHOTOFLUX	Global assessment of plant photosynthesis optimization for climate change versus enhanced plant productivity	LS9
KORPELA	Katri	Helsingin yliopisto	University of Helsinki	FI	MICROECO	Microbial ecosystems biology in the human gut	LS2
POOL	Allan-Hermann	Helsingin yliopisto	University of Helsinki	FI	NEURALGESIA	Identification and targeted re-engineering of the mammalian analgesia system for central pain control	LS5
BENSIMON-BRITO	Anabela	Institut national de la santé et de la recherche médicale	National Institute of Health and Medical Research (INSERM)	FR	CARDIOCALC	The fundamentals of cardiovascular calcification: from cells to therapy	LS3
COSSET	Erika	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	TargMacropin	Targeting macropinocytosis in glioblastoma to achieve precision medicine	LS4

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DORRELL	Richard	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	ChloroMosaic	Environmentally-informed functional characterisation of the secondary red chloroplast proteome	LS8
HERNANDEZ CERDA	Pedro Pablo	Institut national de la santé et de la recherche médicale	National Institute of Health and Medical Research (INSERM)	FR	Cytok-Gut	Cytokine and microbiota function in gut development: spatiotemporal analysis in the zebrafish	LS3
KIM	Minchul	Centre National de la Recherche Scientifique (CNRS)	National Center for Scientific Research (CNRS)	FR	SyncyNucDiff	The biology of syncytial cells: Dissecting the mechanisms and functions of nuclear differentiation inside skeletal muscle syncytium	LS3
ZALC	Antoine	Institut national de la santé et de la recherche médicale	National Institute of Health and Medical Research (INSERM)	FR	REGENECREST	Enhancing endogenous regenerative response in mammals by redeploying Cranial Neural Crest Cells pluripotency developmental programs and positional identity remodeling	LS3
BRIEN	Gerard	University College Dublin	University College Dublin	IE	BAFDefiner	Discovering the function of distinct SWI/SNF complexes	LS2
COHEN	Merav	Tel Aviv University	Tel Aviv University	IL	IISN-DC	Understanding the functional role of Immune-related Intercellular Signalling Networks during tissue Development and Cancer	LS4
GILAD	Ariel	The Hebrew University of Jerusalem	The Hebrew University of Jerusalem	IL	MESO_AG	Mesoscale dissection of neuronal populations underlying cognition	LS5
LAVIV	Tal	Tel Aviv University	Tel Aviv University	IL	2CE MECP2	Visualising neuronal signalling dynamics within intact neuronal circuits: Deciphering the role of cell-specific MeCP2 dynamics in neuronal function and dysfunction	LS5

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HEIDARSSON	Petur	Haskoli Islands	University of Iceland	IS	PIONEER	From Single Molecules to Cell Reprogramming: Deciphering and Recoding Disordered Pioneer Transcription Factors	LS1
SILVA	Bianca Ambrogina	Consiglio Nazionale delle Ricerche	Italian National Research council	IT	EthoFearless	Attenuation of ethological traumatic memories	LS5
ALEMANY	Anna	Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Leiden University Medical Center (LUMC)	NL	i-SignalTrace	Deciphering signalling pathway dynamics during cell-fate commitment in stem cells	LS2
DE BAAIJ	Jeroen	Stichting Radboud Universitair Medisch Centrum	Radboud University Medical Center	NL	IN-THE-KIDNEY	Functional Measurements IN-THE-KIDNEY to Diagnose, Understand and Treat Renal Tubulopathies	LS4
HANSEN	Maike	Radboud Universiteit Nijmegen	Radboud University Nijmegen	NL	ChOICE	Chance Or Intentional: Cellular decisions Explored	LS2
MA	Wen-Juan	Rijksuniversiteit Groningen	University of Groningen	NL	FrogWY	Evolutionary Genomics of Unconventional Sex Chromosomes in Frogs	LS8
WIERINGA	Paul	Universiteit Maastricht	Maastricht University	NL	OviChip	The biofabrication of a 3D in vitro human oviduct model to study infertility and factors affecting embryo development	LS9
KNÆVELSRUD	Helene	Universitetet i Oslo	University of Oslo	NO	FINALphagy	Final act of the autophagy symphony: Whole-organism orchestration of autophagy termination	LS3
BOGDZIEWICZ	Michał	Uniwersytet Im. Adama Mickiewicza W Poznaniu	Adam Mickiewicz University in Poznań	PL	ForestFuture	Climate change impacts on trees reproduction and forecasts of forest recruitment change	LS8
CARVALHO-SANTOS	Zita	Instituto de Medicina Molecular	Institute of Molecular Medicine, Lisbon	PT	SweetEggs	The impact of germline metabolic reprogramming on reproduction and physiology	LS4
FRAGATA ALMEIDA	Ines	FCiências.ID	FCiências.ID	PT	DYNAMICTRIO	Feedback between population dynamics and evolution of interactions in a tri-trophic system	LS8

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KWONG	Waldan	Fundação Calouste Gulbenkian	Calouste Gulbenkian Foundation	PT	BEE_GEMS	Genetic factors Enabling Microbiome Symbioses: Bees as a natural model system	LS8
LU	Yi	Karolinska Institutet	Karolinska Institute	SE	SUBTREAT	Subtype as a key to reduce heterogeneity of treatment effects in major depressive disorder	LS7
CHOMICKI	Guillaume	University of Sheffield	University of Sheffield	UK	BREAKDOWN	The regulation of breakdown of cooperation among species	LS8
IACARUSO	Florencia	The Francis Crick Institute	The Francis Crick Institute	UK	MultiSensDepthPercep	Midbrain Circuits Underlying Multisensory Depth Perception	LS5
JOHNSON	Eachan	The Francis Crick Institute	The Francis Crick Institute	UK	SIGMA	Small molecule Inhibitors targeting the Genetic determinants of Mutagenesis and Adaptability in Mycobacterium tuberculosis	LS2
LAK	Armin	University of Oxford	University of Oxford	UK	LearningCircuits	Neural circuits for learning under perceptual uncertainty	LS5
NGUYEN	Thi Hoang Duong	MRC Laboratory of Molecular Biology	MRC Laboratory of Molecular Biology	UK	TELOMAIN3D	Mechanistic Studies of Mammalian Telomere Maintenance	LS1
SORMANNI	Pietro	University of Cambridge	University of Cambridge	UK	AbDOCD	Antibody discovery and optimisation by computational design	LS1
XIONG	Fengzhu	University of Cambridge	University of Cambridge	UK	MechanicalTube	Tissue Mechanics in Neural Tube Morphogenesis	LS3