

## ERC Starting Grants 2022

### List of Principal Investigators invited for funding from the reserve list

#### Life Sciences 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 |
|-------------|------------|--|---|--------------|------------------|---|-------|
| Masschelein | Joleen     | Vlaams Instituut voor Biotechnologie                     | Flanders Institute for Biotechnology (VIB)                      | BE           | MiStiC           | Microbial Synthetic in vivo Cell Therapy Systems  | LS9   |
| Andergassen | Daniel     | Technische Universität München                           | Technical University of Munich                                  | DE           | EscapeX          | Uncovering the missing X factors to understand sex bias in cardiovascular disease                 | LS2   |
| Basu        | Raunak     | Universitätsmedizin Göttingen Georg-August-Universität   | University Medical Center Göttingen                             | DE           | ChoiceSpace      | Task-relevant cognitive maps and their role in spatial decision-making                            | LS5   |
| Gaertner    | Florian    | Ludwig-Maximilians-Universität München                   | University of Munich (LMU)                                      | DE           | MEKanics         | Cell mechanics of megakaryocytes in 3D tissues - deciphering mechanobiology of platelet formation | LS3   |
| Li          | Yongguo    | Universitätsklinikum Bonn                                | University Medical Centre Bonn                                  | DE           | BATOFF           | Turning off the furnace: the intracellular brake systems for brown fat thermogenesis              | LS4   |
| Milovanovic | Dragomir   | Deutsches Zentrum für Neurodegenerative Erkrankungen e.V | German Centre for Neurodegenerative Diseases - Helmholtz Centre | DE           | MEMLESSINTERFACE | Interface between Membraneless Organelles and Membranes   | LS1   |
| Tasdogan    | Alpaslan   | Universitätsklinikum Essen                               | Essen University Hospital                                       | DE           | METATARGET       | Targeting the Metabolic Dependencies of Metastatic Tumor Cells                                    | LS4   |
| Racimo      | Fernando   | Københavns Universitet                                   | University of Copenhagen  | DK           | STAMP            | Spatiotemporal Analytical Modelling for Paleobiology  | LS8   |

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|-------------------|------------|--|--|--------------|-------------------|---|-------|
| Somyajit          | Kumar      | Syddansk Universitet   | University of Southern Denmark                 | DK           | META-SURVEILLANCE | The molecular nexus coupling Cell Metabolism to Cell cycle and Genome Surveillance  | LS1   |
| Zylicz            | Jan        | Københavns Universitet   | University of Copenhagen                       | DK           | ChroMeta          | Unravelling specificity of epi-metabolic regulation in mouse development  | LS3   |
| Affo              | Silvia     | Institut d'Investigacions Biomèdiques August Pi i Sunyer                             | IDAPS  | ES           | DynamHet          | Deciphering the dynamic-plasticity and heterogeneity of cancer-associated fibroblasts   | LS4   |
| Rodriguez Barreto | Deiene     | Universidad de La Laguna   | University of La Laguna                        | ES           | EPIAQUA           | Unravelling the epigenetic mechanisms underlying nutritional programming for sustainable aquaculture  | LS9   |
| Ibrahim           | Daniel     | Centre National de la Recherche Scientifique (CNRS)                                  | National Center for Scientific Research (CNRS) | FR           | SYNREG            | Designing synthetic regulatory domains to understand gene expression  | LS2   |
| Ligneul           | Romain     | Centre National de la Recherche Scientifique (CNRS)                                  | National Center for Scientific Research (CNRS) | FR           | CRACK-5HT         | Cross-species Regulation of Action by Controllability: a Keystone of 5-HT signalling?   | LS5   |
| Mondet            | Fanny      | Institut national de recherche pour l'agriculture, l'alimentation et l'environnement | INRAE  | FR           | BEE HEALTHY       | If you are not healthy you are out: how honey bees develop resilience towards invasive species events with an immune system at the colony level | LS8   |
| Tonnabel          | Jeanne     | Centre National de la Recherche Scientifique (CNRS)                                  | National Center for Scientific Research (CNRS) | FR           | SEXIPLANTS        | The scope for sexual selection in plants  | LS8   |

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|------------|------------|---|--|--------------|---------------|---|-------|
| Shlezinger | Neta       | The Hebrew University of Jerusalem                                | The Hebrew University of Jerusalem               | IL           | MycoViralPath | The role of fungal viruses in shaping fungal pathogenesis and mammalian host responses                                | LS6   |
| Bertero    | Alessandro | Università degli Studi di Torino                                  | University of Turin                              | IT           | TRANS-3       | Beyond the chromosome: unravelling the interplay between inter-chromosomal genome architecture and mRNA biogenesis    | LS1   |
| Hoeksema   | Marten     | Academisch Medisch Centrum Bij de Universiteit Van Amsterdam      | Academic Medical Centre, University of Amsterdam | NL           | CYTOMAC       | Cytokine signaling in macrophages: beyond JAK-STAT  | LS6   |
| Jochems    | Simon      | Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum | Leiden University Medical Center (LUMC)          | NL           | DailySAM      | Understanding respiratory tract infections through minimally-invasive, daily nasal sampling in children               | LS7   |
| Kroon      | Jeffrey    | Academisch Medisch Centrum Bij de Universiteit Van Amsterdam      | Academic Medical Centre, University of Amsterdam | NL           | ENDOMET-STEER | Endothelial metabolism dictates the bone marrow niche and the plaque microenvironment                                 | LS4   |
| R Holtman  | Inge       | Academisch Ziekenhuis Groningen                                   | Academic Medical Centre, Groningen               | NL           | TRANS-PSYCH   | Transcriptional Regulation Assessed in Neuronal Subtypes in three major interrelated Psychiatric disorders            | LS5   |
| Snijder    | Joost      | Universiteit Utrecht  | Utrecht University                               | NL           | FLAVIR        | Universal building blocks for antigen presentation to uncover the flavivirus-directed antibody response               | LS6   |
| Bjorkman   | Anne       | Göteborgs universitet   | University of Gothenburg                         | SE           | ArcticEDGE    | Consequences of warming-driven vegetation change for Arctic carbon cycling and feedbacks to the global climate system | LS8   |

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|-----------|------------|--|--|--------------|-------------|--|-------|
| Bolla     | Jani Reddy | University of Oxford                                 | University of Oxford                                 | UK           | ChIAM       | Molecular architecture and mechanism of the chloroplast's beta-barrel assembly machinery | LS1   |
| Deniz     | Ozgen      | Imperial College of Science, Technology and Medicine | Imperial College of Science, Technology and Medicine | UK           | FITEAML     | Functional Interrogation of Transposable Elements in Acute Myeloid Leukaemia             | LS2   |
| Felice    | Ryan       | University College London                            | University College London                            | UK           | BRAIN-DRAIN | The Consequences of Encephalization: Testing Trade-offs in Cranial Evolution             | LS8   |
| French    | Alice      | University of Bristol                                | University of Bristol                                | UK           | SePrSI      | Sensory processing during sleep  | LS5   |
| Ruth      | Katherine  | University of Exeter                                 | University of Exeter                                 | UK           | HEALTH-PM   | Using genetics to understand the role of hormones in postmenopausal health               | LS2   |