Attachment 1: Macroareas and ERC scientific domains

Macroarea PE: Physical Sciences and Engineering	Macroarea LS: Life Sciences	Macroarea SH: Social Sciences and Humanities
PE1 Mathematics: All areas of mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics **PE2 Fundamental Constituents of Matter**: Particle, nuclear, plasma, atomic, molecular, gas, and optical physics **PE3 Condensed Matter Physics**: Structure, electronic properties, fluids, nanosciences, biophysics **PE4 Physical and Analytical Chemical Sciences**: Analytical chemistry, chemical theory, physical chemistry/chemical physics **PE5 Synthetic Chemistry and Materials**: Materials synthesis, structure-properties relations, functional and advanced materials, molecular architecture, organic chemistry **PE6 Computer Science and Informatics**: Informatics and information systems, computer science, scientific computing, intelligent systems **PE7 Systems and Communication Engineering**: Electrical, electronic, communication, optical and systems engineering **PE8 Products and Processes Engineering**: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering **PE9 Universe Sciences**: Astro-physics/chemistry/biology; solar system; stellar, galactic and	**LS1 Molecular and Structural Biology and Biochemistry**: Molecular synthesis, modification and interaction, biochemistry, biophysics, structural biology, metabolism, signal transduction **LS2 Genetics, Genomics, Bioinformatics and Systems Biology**: Molecular and population genetics, genomics, transcriptomics, proteomics, metabolomics, bioinformatics, computational biology, biostatistics, biological modelling and simulation, systems biology, genetic epidemiology **LS3 Cellular and Developmental Biology**: Cell biology, cell physiology, signal transduction, organogenesis, developmental genetics, pattern formation in plants and animals, stem cell biology **LS4 Physiology, Pathophysiology and Endocrinology**: Organ physiology, pathophysiology, endocrinology, metabolism, ageing, tumorigenesis, cardiovascular disease, metabolic syndrome **LS5 Neurosciences and Neural Disorders**: Neurobiology, neuroanatomy, neurophysiology, neurochemistry, neuropharmacology, neuroimaging, systems neuroscience, neurological and psychiatric disorders **LS6 Immunity and Infection**: The immune system and related disorders, infectious agents and diseases, prevention and treatment of infection **LS7 Diagnostics, Therapies, Applied**	**SH1 Individuals, Markets and Organisations**: Economics, finance and management **SH2 Institutions, Values, Environment and Space**: Political science, law, sustainability science, geography, regional studies and planning **SH3 The Social World, Diversity, Population**: Sociology, social psychology, demography, education, communication **SH4 The Human Mind and Its Complexity**: Cognitive science, psychology, linguistics, philosophy of mind **SH5 Cultures and Cultural Production**: Literature, philology, cultural studies, anthropology, study of the arts, philosophy **SH6 The Study of the Human Past**: Archaeology and history

extragalactic astronomy, planetary systems, cosmology, space science, instrumentation **PE10 Earth System Science**: Physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, cryology, ecology, global environmental change, biogeochemical cycles, natural resources management	**Medical Technology and Public Health**: Aetiology, diagnosis and treatment of disease, public health, epidemiology, pharmacology, clinical medicine, regenerative medicine, medical ethics **LS8 Evolutionary, Population and Environmental Biology**: Evolution, ecology, animal behaviour, population biology, biodiversity, biogeography, marine biology, microbial ecology **LS9 Applied Life Sciences and Non-Medical Biotechnology**: Applied plant and animal sciences; food sciences; forestry; industrial, environmental and non-medical biotechnologies, nanobiotechnology, bioengineering; synthetic and chemical biology; biomimetics; bioremediation	