



RESOLUTION OF THE PRESIDENCY OF THE SPANISH NATIONAL RESEARCH COUNCIL STATE AGENCY (CSIC) IN WHICH ACTIONS OF JOINT MOBILITY WITHIN THE FRAMEWORK OF THE COOPERATION AGREEMENT BETWEEN THE FULBRIGHT COMMISSION AND THE SPANISH NATIONAL RESEARCH COUNCIL STATE AGENCY

CSIC-FULBRIGHT 2025 CALL: research staff

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I. PURPOSE OF THE CALL

The call has as objective to foster, through its own resources, the international mobility of the research staff (postdoctoral researcher, technician and manager) assigned to CSIC to research centres and American universities and, through the collaboration with Fulbright programme, to make negotiations with the aim to organize the mobility and contribute that the stay in the United States is carried out satisfactorily.

The expected impact of the Programme is the improvement of the internationalization of CSIC through the consolidation of stable links of scientific cooperation between CSIC teams and United States of America (USA), through the organization of mobility stays for research, training or specialization of the staff.



2. BASES OF THE CALL

A maximum of **10 Fulbright aids or grants** to organize **stays between June 1st 2026 and May 30th 2027 in the USA**. The stays will have a minimum duration of 12 weeks and a maximum of 16 weeks.

2.1. Requirements of the applicants

2.1.1 Be CSIC research staff whose situation comply with the instructions which appear in the Staff management manual ¹and provides services in institutes, centres and units of CSIC State Agency. It will be considered as research staff the research staff, technical staff and management staff.

2.1.2. When the applicants are labour staff they should have a compatible contract with the acquisition of the Fulbright scholar status.

2.1.3. The applicants should keep their employment linkage with CSIC during the duration of the stay.

2.1.4. Those who have the nationality or permanent resident in USA cannot participate.

2.1.5. Not having obtained a J visa in the previous two years to the commencement day of the stay.

2.1.6. They could not benefit simultaneously or consecutive in the United States of any other type of scholarship or economic aid granted for equal or similar concepts.

2.1.7. People who have been selected or have been beneficiaries of Fulbright Programme grants within two years since the end of the last grant shall not be eligible.

2.1.8. People who have an employment linkage with CSIC has as purpose the achievement of a doctorate.

¹ Link to the Management Manual: https://www.csic.es/sites/default/files/2023-01/sgarh_manual-de-gestion-de-personal-csic.pdf



2.2. Endowment of the scholarship managed by Fulbright Commission

2.2.1. Basic allocations:

- a) Monthly allocation of **3,200 €/month** in terms of living expenses.
- b) International trip to and from grant of **1,300 €**

2.2.2 Complementary allowances, when the scholar traveling to the USA with the company of the spouse, or person with whom has a first-degree blood relative:

In order to consider accompanying relative the duration of its continuous stay in the USA will have to be a minimum of 80% of the stay of the beneficiary.

- a) Family grant (maximum of 2 escorts) of 150 euros/month for each escort relative.
- b) International trip to and from grant for accompanying of **750 €/ escort** (maximum 2 escorts)

2.2.3. Also, the grant includes the following services that the Fulbright Commission shall provide:

a) Necessary documentation, cost and counselling for **visa management** for the beneficiary and the corresponding ones for the dependants accompanying. As for the beneficiaries who are CSIC research staff, they will travel with a “**Exchange Visitor (J-1)**” visa that, once expired, it could no longer be applied within two years from the return date to Spain once the stay concludes. The relatives who accompany the recipient of the grant shall process a ESTA if their stay is no less than 90 days. In case of stays longer than 90 days, the spouse or first-degree relative must travel with a J-2 visa. Those listed as domestic partners will not be able to apply for accompanying family visas (J-2), so they must consult the applicable legislation for stays longer than 90 days and manage, if necessary, the corresponding visa.

b) **Insurance policy** of illness and accidents up to 100,000 dollars cover for accident or illness, subscribed by the USA Government for the Fulbright scholars. Likewise, they will be financed by that Government the administration expenditures generated in the USA for the General Programme Assistance Service.

c) **Economical-administrative management of the grant**, including the payments to the beneficiaries of Fulbright grants.



- d) Participation in **seminars and cultural and scientific activities** that are organized in the USA on behalf of and by Fulbright Programme.
- e) **Support, management and advice services** through the Fulbright Commission from the moment of the granting of the aid until the incorporation to USA., and through the collaborative body in USA during the stay.
- f) Access to Fulbright **Alumni networks**.

2.2.4. Total funding

The total funding of the present call shall amount to a maximum of **168,000 €**.

2.3. Duration and application of the grants

2.3.1. The stays should be benefited without interruption and shall place a minimum duration of 12 weeks and a maximum of 16 weeks to be benefited between **June 1st, 2026 and May 30th, 2027** in the USA. The grants shall be calculated by full weeks.

2.3.2. The duration of the stays of those who do not have the title of doctor, will be of **16 weeks**.

2.3.3. The Fulbright Commission shall tackle the amount of grant to the scholar in a single payment in euros in the bank account that the male or female candidate wants once the incorporation in the destination takes place, although it could anticipate the trip grant previous request to the Fulbright Commission.

3. PROCEDURES AND DEADLINES FOR THE SUBMISSION OF APPLICATIONS

3.1. The proposal and the required documentation shall be submitted by the CSIC applicant via the telematic application of calls in CSIC Intranet: <http://siw.csic.es/icv/> “ CSIC- FULBRIGHT JOINT MOBILITY ACTIONS”.

3.2. Applications shall be written in English, with Time New Roman or Arial font, with a minimum 11 size

3.3. The following standard documents for the call will be exclusively used



3.3.1. Electronic application form, including, as appears in the template and with a maximum size of 5MB:

A) Administration Information:

- Personal data.
- Academic data.
- Professional data
- Selection of the thematic evaluation panel (see Appendix I).

B) Information about the stay:

- Desired dates to carry out the stay
- Research centre or university that shall host to the beneficiary, indicating the reason why it has been selected (maximum 500 words).
- Number of family members who will accompany in the stay (when applied).

c) Activities of the stay (maximum 3 pages):

- Summarize of the objective of the stay.
- Development of the **scientific and technical activities** which are going to carry out, according to the objective of the stay (training, collaborative or specialization).
- **Expected Scientific or technical impact, as well as added value:** for the candidates, the research group, ICU and CSIC, as well as the American institution.

The applications that do not respect the standard models or the maximum pages limit, indicated in the present call, shall be directly excluded, not been eligible for its evaluation nor in 1st or 2nd phase.

D. Requested budget

E) Documentation that should be attached to the electronic application

1. Scanned ID or passport
2. Abbreviated CV: CVA model
3. Admission letter of the American institution where they commit to host the Fullbright scholar in the specified dates. This letter should emphasize the interest in the collaboration, and will



have to be signed by the person who shall take in the applicant. In case that this is not competent for the institutional signature, a second letter could be added.

4. If applicable, copy of any visa for USA in force in the two previous years to the initial date of the stay.

3.4. The **submission deadline** for the applications will be from **February 17th to April 18th, 2025**. The reception of the applications shall end at 23:59h of the closing day of the call. The incomplete applications, or that do not full fill the stablished requirements of the present resolution at closing date, will be automatically rejected.

3.5. Once the submission of applications period ends, it shall be published in CSIC intranet the provisional list of admitted and excluded people. There shall not be correction of errors deadline.

3.6. Private data that appear in the application shall be subject to the protection established by the Organic Law 3/2018, and the Regulation (EU) 2016/679 of the European Parliament. On the basis of articles 6 and 7 of that Regulation, through the submission of the application, the corresponding treatment of data of personal character shall be deemed authorised.

4. EVALUATION

4.1. The evaluation of the proposals will me in two phases according to the profile of the candidates (**scientific, technical or manager**) and the **scientific areas**.

4.2. In the **first phase**, *Fundación para el Conocimiento Madri+d* will evaluate the admitted applications, answering to the merits, capacity, objectivity or suitability. Specifically, the following aspects shall be considered:

- **Professional and academic merits of the candidate (up to 10 points).** A global evaluation of scientific and/or academic quality of the contributions of the scientific staff shall proceed, considering his/her profile holistically, the scientific and/or technical contributions, his/her input to them and the generated social and economic impact. The merits throughout all the professional trajectory shall be considered, making equality in the evaluation of merits of women and men and the youngest research staff easier.



- **Scientific and/or technical quality of the proposed actions (up to 10 points).**
The scope of the settled objectives and scientific and/or technical objectives to be developed during the stay shall be evaluated.
- **Impact for the applicant and for CSIC of those stays (up to 10 points).**
The potential of the stay to create future collaborations of scientific and/or technical cooperation and lead to sustainable capabilities, as well as the impact of the stay for the professional development of the applicant and the impact for the ICU, for CSIC and the American organization.

4.3. The **20 best assessed applications** shall get to the second evaluation phase. In case of a tie those with better mark in the section **scientific – technical quality** shall be prioritized.

4.4. The **second phase** shall be a personal interview, which shall be carried out via virtual media, with a mixed commission appointed by CSIC Follow-up Committee – Fulbright Commission, who shall have the same number of representants for each one of the Parties. The interview shall consist of:

- Explanation and defence of the objective of the stay in English language for 10 minutes-
- Questions of the mixed commission in order to clarify or precise aspects related with the scientific-technical content of the proposed stay.
- Data verification to check that there are not incompatibilities with the requirements of Fulbright Programme and the procedure for the obtention of the compulsory visa (J-1).

4.5. The final selection of applications shall result of the sum of the scores obtained in both phases, will be carried out on basis of the following scale:

- Obtained score in the first phased: 70%
- Obtained score in the second phase: 30%

5. RESOLUTION

5.1. The result of the selection process shall be informed through the Resolution of CSIC Presidency, which will be published in CSIC INTRANET and shall be communicated by email to main male and female researchers of the proposals.



5.2. The male/female Fulbright scholar status shall solely be acquired when Fulbright Foreign Scholarship Board, maximum body of the decision of Fulbright programme, ratifies the candidates and these obtain the J-I visa.

6. ADMINISTRATIVE SITUATION OF CSIC-FULBRIGHT SCHOLAR DURING HIS/HER STAY IN THE USA AND OBLIGATIONS OF THE GRANT HOLDER

6.1. The administrative situation of the scholar during his/her stay shall be of active service in training stay according to article 17.6 of Ley 17/2022, of September 5, which modifies Ley 14/2011 of June 1st, on Science, Technology and Innovation.

6.2. Obligations derived from the obtention of the aid:

6.2.1. Complete the reports, formularies and other documentations that are requested by the American organization, the Fulbright Commission or CSIC.

6.2.2. After the notification of granting the aid, its shall be sent to CSIC:

- Letter of the maximum authority of the unit or administrative area, certifying that there is no objection to the benefit of the scholarship.
- Family book in case of applying the additional funds to cover the expenses of companions.

6.2.3. Submit to CSIC a final memory about the developed activities, and a stay certificate issued by the host American organization upon its return, indicating the dates of the stay. In case of having applied for the aids of a family companion, the copy of the plane tickets shall be attached. CSIC and Fulbright keep the right to claim a refund of the aids received for stay periods not benefited by the beneficiary as well as for their dependent family members.

6.2.4. Subscribe a security policy of illness and accidents with full coverage for the family members of the beneficiary of the grant. If this one is accompanied, which includes international and national trips. The subscription of this policy of illness and accidents shall be equal or similar to the Fulbright Commission subscribes for the scholar person, with a maximum scope of 100,000 American dollars for family companions. The cost of this policy shall be carried out by the scholar person.



6.2.5. If publications are derived from the stay, the funding associated with CSIC-Fulbright funding scholar shall be mentioned in them.

7. CONTROL REGIME

The lack of adequateness in the use of granted aids, the failure of the execution rules or the lack of fulfilment of the scientific-technical objectives of the project could be object of sanction, be able to make the application of VRI aids to the scholar impossible during a period up to five years, as well as the refund of the aid.

8. QUERIES

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Madrid, February 14th 2025

CSIC's President

Signed. Eloísa del Pino

APPENDIX I – THEMATIC AREAS AND SUBAREAS

Scientific panel	Level 1 keywords	Level 2 keywords
Chemistry (CHE)	C1-Inorganic Chemistry	Catalysis Coordination chemistry Inorganic and nuclear chemistry NMP Non-Metallic Materials & basic processes Organometallic chemistry Radiation and nuclear chemistry
	C2-Organic, Polymer and Molecular Chemistry	Carbohydrates Combinatorial chemistry Heterocyclic chemistry Macromolecular chemistry Molecular architecture and structure Molecular biology Molecular chemistry Natural product synthesis Organic chemistry Organic reaction mechanism Peptide chemistry Polymer chemistry Stereochemistry Supramolecular chemistry Synthetic Organic chemistry
	C3-Physical and Analytical Chemistry	Analytical chemistry Chemical instrumentation Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions Chemistry of condensed matter Chromatography Colloid chemistry Corrosion Crystallography and X-ray diffraction Electrochemistry, electrodialysis, microfluidics, sensors Forensic chemistry Heterogeneous catalysis Homogeneous catalysis Ionic liquids Mass Spectrometry Method development in chemistry Microscopy Molecular dynamics Molecular electronics Photocatalysis Photochemistry Physical chemistry Physical chemistry of biological systems Quantum Chemistry Spectroscopic and spectrometric techniques Structure and dynamics of disordered systems: soft matter (gels, colloids, liquid crystals, etc.), liquids, glasses, defects, etc. Surface chemistry Theoretical and computational chemistry Trace Analysis
	C4-Applied and Industrial Chemistry	Biochemistry Biological chemistry Biomaterials, biomaterials synthesis Ceramics Coating and films Drinking water treatment Electrochemistry, batteries and fuel cells Environment chemistry Enzymology Food chemistry Fuel cell technology Graphene, 2D materials Hydrogen Intelligent materials, self-assembled materials Materials for sensors Medicinal chemistry Nanochemistry New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles Pharmaceutical chemistry Polymers and plastics Porous Materials Structural properties of materials Surface modification Thin films Toxicology

Scientific panel	Level 1 keywords	Level 2 keywords
Economic Sciences (ECO)	E1-Economics	Behavioural economics Big data Development, economic growth Econometrics, statistical methods Economic geography Economic history Industrial economics International trade Labour economics Macroeconomics Public economics Social economics Urban and regional economics
	E2-Economic Development	Competitiveness, innovation, research and development Economics of innovation Industrial clusters Natural resources and environmental economics
	E3-Management	Business governance Entrepreneurship Human resource management Innovation management Marketing strategy New industrial value chains Organization studies: theory & strategy, industrial organization Startups
	E4-Finance	Accounting Banking, corporate finance, accounting Finance, banking, insurance Financial & Investment management Financial markets, asset prices, international finance Venture capital
Information Science and Engineering (ENG)	G1-Computer science and informatics	Algorithms, distributed, parallel and network algorithms, algorithmic game theory Artificial intelligence, intelligent systems, multi agent systems Augmented Reality Bioinformatics, biocomputing, and DNA and molecular computation Cloud computing Cognitive science Complexity and cryptography, electronic security, privacy, biometrics Computer architecture, pervasive computing, ubiquitous computing Computer games Computer graphics, computer vision, multi media, computer games Computer hardware and architecture Data mining E-Commerce E-learning, user modelling, collaborative systems Embedded systems Human computer interaction and interface, visualization and natural language processing Intelligent robotics, cybernetics Internet and semantic web, database systems and libraries Internet of Things Machine learning, statistical data processing and applications using signal processing (e.g. speech, image, video) Multimedia Networks (communication networks, sensor networks, networks of robots, etc.) Numerical analysis, simulation, optimisation, modelling tools Ontologies, neural networks, genetic programming, fuzzy logic Quantum Technologies (e.g. computing and communication) Scientific computing and data processing Software engineering, operating systems, computer languages Theoretical computer science, formal methods Virtual Reality
	G2-Systems and Communication Engineering: Electrical, electronic, communication, optical and systems engineering	Control engineering Diagnostic and implantable devices, environmental monitoring Electrical and electronic engineering: semiconductors, components, systems Electronics, photonics Human computer interaction Nanotechnology, nano-materials, nano engineering Signal processing Simulation engineering and modelling Systems engineering, sensorics, actorics, automation Wireless communications, communication, high frequency, mobile technology

Scientific panel	Level 1 keywords	Level 2 keywords
	G3-Products and Processes Engineering: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering	Aerospace engineering Architecture, smart buildings, smart cities, urban engineering Chemical engineering, technical chemistry Civil engineering Civil engineering, maritime/hydraulic engineering, geotechnics, waste treatment Computational engineering and computer aided design Energy collection, conversion and storage, renewable energy Energy systems, smart energy, smart grids, wireless energy transfer Environmental engineering and geotechnics Fluid mechanics, hydraulic-, turbo-, and piston engines Industrial bioengineering Industrial design (product design, ergonomics, man-machine interfaces, etc.) Lightweight construction, textile technology Maritime Engineering Materials engineering Mechanical and manufacturing engineering (shaping, mounting, joining, separation) Production technology, process engineering Sustainable design (for recycling, for environment, eco-design) Transport engineering, intelligent transport systems
Environmental and Geosciences (ENV)	V1-Environment and society	Circular economy Environmental health Environmental regulations and climate negotiations Environmental risk measurement Mobility and transportation Renewable energy sources Spatial and regional planning Sustainable development and nature protection Urbanization and urban planning, cities
	V2-Earth system science	Air and water pollution control Atmospheric chemistry, atmospheric composition, air pollution Biogeochemistry, biogeochemical cycles, environmental chemistry Climatology and climate change Coastal Engineering Cryosphere, dynamics of snow and ice cover, sea ice, permafrost and ice sheets Earth observations from space/remote sensing ENV Environmental Hazard Analysis Environment, Pollution & Climate Environmental chemistry Geochemistry and geophysics Geology, tectonics, volcanology Hydrology Meteorology, atmospheric physics and dynamics Mineralogy, petrology, igneous petrology, metamorphic petrology Natural resources exploration and exploitation Paleoclimatology, paleoecology Physical geography Sedimentology, soil science, palaeontology, earth evolution Terrestrial ecology, land cover change
	V3-Evolutionary, population and environmental biology	Animal behaviour Biodiversity, comparative biology Biodiversity, conservation biology, conservation genetics Biogeography, macro-ecology Ecology Environmental toxicology at the population and ecosystems level Freshwater biology Marine biology Population biology, population dynamics, population genetics Species interactions (e.g. food-webs, symbiosis, parasitism, mutualism, bio-invasion) Systems evolution, biological adaptation, phylogenetics, systematics
	V4-Applied Life Sciences and Non-Medical Biotechnology	Agricultural waste Agriculture / Forestry / Rural Development Agriculture related to animal husbandry, dairying, livestock raising Agriculture related to crop production, applied plant biology Agriculture related to crop production, soil biology and cultivation, applied plant biology Agroindustry Applied biotechnology (non-medical), bioreactors, applied microbiology Aquaculture, fisheries Biohazards, biological containment, biosafety, biosecurity Biomimetics Environmental biotechnology, bioremediation, biodegradation

Scientific panel	Level 1 keywords	Level 2 keywords
Life Sciences (LIF)		Forestry, biomass production (e.g. for biofuels)
	L1-Molecular and Structural Biology	Biophysics (e.g. transport mechanisms, bioenergetics, fluorescence) Carbohydrate synthesis, modification and turnover DNA synthesis, modification, repair, recombination, degradation Lipid synthesis, modification and turnover Metabolism Molecular biology and interactions Protein synthesis, modification and turnover RNA synthesis, processing, modification and degradation Structural biology
	L2-Genetics, Genomics, Bioinformatics and Systems Biology	Applied genetic engineering, transgenic organisms, recombinant proteins, biosensors Bioinformatics Biological systems analysis, modelling and simulation Biostatistics Computational biology Epigenetics and gene regulation Genetic engineering Genetic epidemiology Genomics, comparative genomics, functional genomics Metabolomics Molecular genetics, reverse genetics and RNAi Pharmacogenomics Plant genetics Proteomics Quantitative genetics Systems biology Transcriptomics
	L3-Cellular and Developmental Biology	Animal-related development, development genetics, pattern formation and embryology Cell biology and molecular transport mechanisms Cell differentiation, physiology and dynamics Cell signalling and cellular interactions Development, developmental genetics, pattern formation and embryology in plants Developmental biology Morphology and functional imaging of cells Organelle biology Signal transduction Stem cell biology
	L4-Physiology, Pathophysiology and Endocrinology	Ageing Cancer and its biological basis Cardiovascular diseases Comparative physiology and pathophysiology Endocrinology Metabolism, biological basis of metabolism related disorders Organ physiology and pathophysiology Rare diseases Technologies involving the manipulation of cells, tissues, organs or the whole organism (assisted reproduction)
	L5-Neurosciences and neural disorders	Behavioural neuroscience (e.g. sleep, consciousness, handedness) Developmental neurobiology Mechanisms of pain Molecular and cellular neuroscience Neuroanatomy and neurophysiology Neuroimaging and computational neuroscience Neurological disorders (e.g. Alzheimer's disease, Huntington's disease, Parkinson's disease) Poisoning Psychiatric disorders Sensory systems (e.g. visual system, auditory system)
L6-Immunity and infection	Adaptive immunity Anticancer therapy Bacteriology Biological basis of immunity related disorders (e.g. autoimmunity) Immunogenetics Immunological memory and tolerance Immunosignalling Innate immunity and inflammation Microbiology Parasitology Phagocytosis and cellular immunity Prevention and treatment of infection by pathogens (e.g. vaccination, antibiotics, fungicide) Veterinary medicine and infectious diseases in animals Virology	

Scientific panel	Level 1 keywords	Level 2 keywords
	L7-Diagnostic tools, therapies and public health	Biophotonics, Imaging, image and data processing Bioremediation, diagnostic biotechnologies (DNA chips and biosensing devices) in environmental management Drug development, clinical phases Environment and health risks, occupational medicine Gene therapy, cell therapy, regenerative medicine Health services, health care research Medical engineering and technology Personalised medicine Pharmacology, pharmacogenomics, drug discovery and design, drug therapy Public health and epidemiology Radiation therapy Radiology, nuclear medicine and medical imaging Surgery Tissue engineering Vaccines
Mathematics (MAT)	M1-Mathematics	Algebraic and complex geometry Algorithms and complexity Discrete mathematics and combinatorics Geometry Logic and foundations Number theory Operator algebras and functional analysis Probability Theoretical aspects of partial differential equations Topology
	M2-Applied Mathematics	Application of mathematics in sciences Mathematical aspects of Computer Science Mathematical physics Numerical analysis and scientific computing Scientific computing, simulation and modelling tools Statistics
Physics (PHY)	P1-Particle and Nuclear Physics	Fundamental interactions and fields Nuclear physics Observational astronomy: cosmic rays, neutrinos, and other particles Particle physics Particles and fields physics
	P2-Atomic and molecular physics, optics	Atomic, molecular physics Chemical physics Lasers, ultra-short lasers and laser physics Metrology and measurement Nonlinear optics Optics (including laser optics and quantum optics) Optics, non-linear optics and nano-optics Photonics Quantum optics and quantum information Statistical physics (gases) Ultra-cold atoms and molecules Wave Interaction and Propagation
	P3-Condensed matter physics	Condensed matter physics (including formerly solid state physics, superconductivity) Electronic properties of materials, surfaces, interfaces, nanostructures, etc Fluid dynamics Gas and plasma physics Magnetism and strongly correlated systems Mechanical and acoustical properties of condensed matter, Lattice dynamics Mesoscopic physics Nanophysics: nanoelectronics, nanophotonics, nanomagnetism, nanoelectromechanics, etc. Phase transitions, phase equilibria Semiconductors and insulators: material growth, physical properties Soft condensed matter Spintronics Statistical physics (condensed matter) Structure of solids and liquids Superconductivity Superfluids Surface Physics Thermal properties of condensed matter Transport properties of condensed matter
	P4-Astrophysics, Cosmology, Space science	Astrobiology Astrochemistry Clusters of galaxies and large scale structures Cosmology Dark matter, dark energy Exoplanets Formation and evolution of galaxies

Scientific panel	Level 1 keywords	Level 2 keywords
		Formation of stars and planets Gravitational astronomy High energy and particles astronomy - X-rays, cosmic rays, gamma rays, neutrinos Instrumentation - telescopes, detectors and techniques Interstellar medium Nuclear astrophysics Observational astronomy: radio Relativistic astrophysics Solar and interplanetary physics Solar physics Space weather Stellar systems: multiple stars, clusters, and associations
	P5-Applied physics	Acoustics Communication Systems Computational modelling Geophysics Lasers and laser optics Macroscopic quantum phenomena: superconductivity, superfluidity, etc. Medical physics Optical engineering, photonics, lasers Optoelectronics Photonic integration, photonic integrated circuits Photovoltaics Plasmonics and metamaterials Solid state materials Statistical physics: phase transitions, noise and fluctuations, models of complex systems, etc.
Social Sciences and Humanities (SSH)	S1-Sociology, social anthropology	Ageing, work, social policies Demography Ethnography Globalisation Globalisation, migration, interethnic relations Households, family and fertility Integration of refugees and migrants Kinship, cultural dimensions of classification and cognition, identity Myth, ritual, symbolic representations, religious studies Rural development studies Social and behavioural science Social Inclusion Social policies, work and welfare Social structure, inequalities, social mobility, interethnic relations Sociology Transformation of societies, democratization, social movements Urban studies, regional studies Women and gender studies Youth policy
	S2-Political science	Collective Awareness EU International Relations and Diplomacy Studies EU research policy /Research policies in the EU Geopolitics Human and social geography Migration Non-discrimination Peace and conflict studies Political economy, institutional economics, law and economics Political systems and institutions, governance Political theory Public administration Violence, conflict and conflict resolution
	S3-Law	Civil law, commercial law Criminal law Data protection Global and transnational governance, international law, human rights Health law rights Intellectual property rights International private law Law Legal studies, constitutions, comparative law Legal systems, constitutions, foundations of law Private, public and social law
	S4-Communication	Communication networks, media, information society Crisis management Digital Social Innovation Media and socio-cultural communication Social Media Social studies of science and technology
	S5-Cognition, psychology, linguistics	Cognition (e.g. learning, memory, emotions, speech) Developmental psychology Ergonomic and Human factors Evolution of mind and cognitive functions, animal communication

Scientific panel	Level 1 keywords	Level 2 keywords
		Fatigue and stress observation, analysis and coping Formal, cognitive, functional and computational linguistics Human life-span development Neuropsychology and cognitive psychology Psycholinguistics and neurolinguistics: acquisition and knowledge of language, language pathologies Social psychology Typological, historical and comparative linguistics Use of language: pragmatics, sociolinguistics, discourse analysis, second language teaching and learning, lexicography, terminology
	S6-Philosophy	Epistemology, logic, philosophy of science Ethics and morality, bioethics History of philosophy Philosophy Philosophy of mind, epistemology and logic Philosophy, Ethics and Religion
	S7-Education	Education Educational psychology Life long learning Pedagogy
	S8-Literature, arts, music, cultural and comparative studies	Arts (arts, history of arts, performing arts, music) Classics, ancient Greek and Latin literature and art Comparative literature Cultural memory, intangible cultural heritage Cultural studies, cultural diversity Design Fashion design General literature studies History of art and architecture History of literature Libraries and archives Library science Literary theory and comparative literature, literary styles Museums and exhibitions Music and musicology, history of music Studies on Film, Radio and Television Textual philology, palaeography and epigraphy
	S9-Archaeology, history and memory	Ancient history Archaeology Archaeology, archaeometry, landscape archaeology Collective memories, identities, lieux de mémoire, oral history Colonial and post-colonial history, global and transnational history, entangled histories Cultural heritage, cultural memory Cultural history, history of collective identities and memories Diplomats Egyptology Gender history Historiography, theory and methods of history History of archaeology History of ideas, intellectual history, history of science, techniques and technologies Medieval history Military history Modern and contemporary history Numismatics, epigraphy Prehistory and protohistory Social, economic, cultural and political history