CEI RESEARCH FELLOWSHIP PROGRAMME
CERES

Guide for Applicants

I. ELIGIBILITY CRITERIA

- **Nationality**: CERES Fellowships are awarded to nationals from CEI Member States[1]; considering that the hosting research institutes listed under point II are located in Italy, and taking into account that CERES supports incoming mobility, Italian nationals are not eligible.
- **Degree requirements**: CERES Fellowships are awarded to "experienced researchers"[2], i.e. to candidates holding a PhD or having at least four years of full-time equivalent research experience;
- **Language requirements**: fluency in the English language is mandatory.
- **Gender**: if two applications receive the same positive assessment, priority shall be given to female candidates;
- **Age**: if two applications receive the same positive assessment, priority shall be given to the younger candidate;
- In line with the CEI role of bringing non-EU CEI Member States closer to the fulfilment of their EU aspirations, CERES will pay special attention to candidates from countries with low R&D intensity (R&D expenditure / GDP).

II. AREAS OF RESEARCH

The CEI Research Fellowship Programme builds on a network of 5 partner research institutes covering a wide spectrum of fields of scientific research.
Candidates, depending on the nature of their research projects, can choose among the following host institutes and laboratories:

- **International Centre for Genetic Engineering and Biotechnology – ICGEB** (www.icgeb.org): Bacteriology; Biosafety; Biotechnology Development; Human Molecular Genetics; Molecular Biology; Molecular Immunology; Molecular Medicine; Molecular Pathology; Molecular Virology; Mouse Molecular Genetics; Neurobiology; Protein Networks; Protein Structure and Bioinformatics; Proteomics; Tumour Virology; Yeast Molecular Genetics (*for more information:* www.icgeb.org/research-groups-Trieste.html).
- **International Centre for Theoretical Physics – ICTP** (www.ictp.it): Applied Physics: Aeronomy, Radiopropagation, Fluid Dynamics, Plasma Physics, Biosciences, Medical Physics, Accelerator Mass Spectrometry, Optics and Laser Physics, Energy Systems; Condensed Matter and Statistical Physics: Mesoscopic and Strongly Correlated Electron Systems, Statistical Mechanics and Applications, Electronic Structure and Condensed Matter Computer Simulations, Synchrotron Radiation Related Theory; Earth System Physics: Climate Change and Impacts, Natural Climate Variability and Predictability, Mechanics of Earthquakes and Tectonophysics, Nonlinear Dynamics of the Earth, Soil Physics High Energy; Cosmology and Astroparticle Physics: Phenomenology of Particle Physics, Cosmology, Strings and Higher Dimensional Theories, LHC Physics; Mathematics:

[1] CEI Member States are: Albania, Austria, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Italy, Macedonia, Moldova, Montenegro, Poland, Romania, Serbia, Slovakia, Slovenia, Ukraine.

[2] "experienced researchers means: professional *researchers*: 1) already in possession of a doctoral degree, independently of the time taken to acquire it or 2) having at least 4 years of research experience (full-time equivalent) including the period of research training, after obtaining the degree which formally allow them to embark on a doctorate in the country in which the degree/diploma was obtained or in the country in which the research training is provided irrespective whether or not a doctorate was envisaged".

Algebraic Geometry, Analytic Geometry and Topology, Functional Analysis, Partial Differential Equations; Multidisciplinary Laboratory: ICTP-INFN Microprocessor Project, Plasma Focus Project, X-ray Imaging, Accelerator Mass Spectrometry, Remote Access to Large Experimental Facilities (*for more information:* http://www.ictp.it/pages/research.html).

- **International School for Advanced Studies – SISSA** (www.sissa.it): Applied Mathematics; Astroparticle Physics; Astrophysics; Functional and Structural Genomics; Geometry; Mathematical Analysis; Mathematical Physics; Cognitive Neuroscience; Neurobiology; Physics and Chemistry of Biological Systems; Statistical Physics; Theory of Elementary Particles; Theory and Numerical Simulation of Condensed Matter (*for more information*: www.sissa.it/main/?p=SECTOR).
- **Synchrotron – ELETTRA** (www.elettra.trieste.it): High energy resolution photoelectron spectroscopy and spectro-microscopy; protein structure and biocrystallography; IR and X-Ray microscopy for materials science and life sciences; Laser physics; Nanosciences and nanotechnology; X-Ray Absorption Fine Structure; X-Ray Diffraction; X-Ray imaging and tomography; Smal Angle X-Ray scattering; Ultraviolet Brilluoin scattering.
- **Cluster in Biomedicine – CBM** (www.cbm.fvg.it): Genomics; Bioinformatics; Optical Imaging; NMR-Metabolomics; Nanomedicine; Pharmacogenomics/Proteomics; Stem cells (*for more information*: http://www.cbm.fvg.it/research_services).

III. DURATION OF A CERES FELLOWSHIP

CERES Fellowships will have a duration of 12 months.

IV. TERMS AND CONDITIONS OF SUPPORT

Selected applicants will receive:

- A **living allowance** intended to cover normal living expenses for one person during the fellowship period;
- A **travel / mobility allowance** intended to cover 1 return ticket to and from the host country, plus eventual participation to scientific meetings during the fellowship period;
- Medical insurance and social benefits according to the regulations of each hosting research institute partner in the CERES Programme.

V. DEADLINE

Complete applications must be sent via email to the following address: ceres@cei-es.org by **31 May 2010**.

Applicants are strongly encouraged to contact the host institutions' PI / Group Leader of their choice to obtain a prior agreement on their proposed research project.