**Marie Skłodowska-Curie Actions :**

**Individual Fellowships**

**Post-doc positions ENEA – 2015**

**Deadline of the next call for proposals for Individual Fellowships:**

**10 September 2015, 17:00 Brussels time**

**Post-doc positions in ENEA - Research Areas**

|  |  |
| --- | --- |
| Radiation Biology and Human Health | |
| * Toxicology |  |
| * Plant Biotechnology, molecular farming |  |
| * Therapeutic anticancer vaccines |  |
| * Neuro-toxicology: Effect of the Extremely Low Frequency Magnetic Fields (ELF-MFs) in neuronal cells |  |
| * Effects of radiation exposure on *in vitro*, *ex-vivo* and *in-vivo* models |  |

|  |  |
| --- | --- |
| Nuclear Energy (Nuclear Fusion) |  |
| * Studies on inertial confinement Nuclear Fusion |  |
| * Applied Superconductivity – study of magnetic phenomena in superconductors |  |
| * Applied Superconductivity |  |

|  |  |
| --- | --- |
| Materials technologies |  |
| * Materials Science |  |
| * Optical coatings |  |

**Post-doc positions in ENEA - Research Areas**

|  |  |
| --- | --- |
| Climate and the Environment |  |
| * Marine Ecology |  |
| * Marine Molecular Ecology |  |
| * Marine Biology, Biomineralization and Climate Change |  |
| * Sustainable development of Primary Production |  |
| * Climate Research |  |
| * Materials recovery from waste |  |
| * Air pollution dispersion modeling |  |
| * Air pollution dispersion modeling and simulation |  |
| * Air pollution and climate change impacts on natural ecosystems |  |
| * Environment and Geosciences |  |
| * Environmental Science, Aquatic ecology |  |

|  |  |
| --- | --- |
| Advanced Technologies for Energy and Industry | |
| * CO2 Utilization: CO2 conversion to fuel |  |

**Post-doc positions in ENEA - Research Areas**

|  |  |
| --- | --- |
| Renewable Sources |  |
| * Electric Energy Storage |  |
| * Hydrogen and Fuel Cells, High-temperature fuel cells |  |
| * Recovery and recycling processes of PV panels |  |
| * Renewable Energy and Storage Integration into Smart Grids |  |

|  |  |
| --- | --- |
| Development and applications of radiations |  |
| * Photonics Micro and Nano-structures |  |
| * Solid State Laboratory: optical spectroscopy and laser confocal microscopy |  |
| * Laser assisted pyrolysis synthesis for nanopowders production |  |
| * Optical and laser spectroscopic characterization of materials |  |
|  |  |
| * Diagnostics and Metrology Laboratory: |  |
| * Ocean Optics, HPLC pigment determination |  |
| * Laser Induced Fluorescence Spectroscopy – characterization of materials for Cultural Heritage |  |
| * Laser Raman Investigation |  |
| * Laser Induced Breakdown Spectroscopy – Laser Plasma Interaction |  |
| * 3D Laser Metrology – application in extreme environment |  |
| * Laser methods for geochemical analysis of hydrocarbons source rock |  |
| * Extremely Low Frequency electromagnetic fields |  |
| * Atmospheric Laser remote sensing |  |
| * 3D Laser methodology, imaging in underwater environment |  |
| * Diagnostics for safety |  |
| * 3D Laser Metrology, remote colorimetry and advanced image processing |  |
| * Biohazards and food quality |  |
| * Laser Induced Breakdown Spectroscopy, material characterization |  |
| * Satellite remote sensing |  |
| * Laser spectroscopic investigation, detection of hazardous and toxic components |  |
| * Laser Induced Fluorescence Spectroscopy, material characterization in forensic applications |  |
| * Tissue engineering and regenerative medicine |  |