

# 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



Toxicology - Consales Spanò.pdf

❖ Plant Biotechnology, molecular farming



Plant Biotech - Donini.pdf

❖ Therapeutic anticancer vaccines



Anticancer vaccines - Franconi.pdf

❖ Neuro-toxicology: Effect of the Extremely Low Frequency Magnetic Fields (ELF-MFs) in neuronal cells



Neuro-toxicology - Benassi.pdf

❖ Effects of radiation exposure on *in vitro*, *ex-vivo* and *in-vivo* models



Effects radiation exposure - Mancuso.pdf

### Nuclear Energy (Nuclear Fusion)

❖ Studies on inertial confinement Nuclear Fusion



Inertial confinement - De Angelis.pdf

❖ Applied Superconductivity – study of magnetic phenomena in superconductors



Superconductivity 1 - De Marzi.pdf

❖ Applied Superconductivity



Superconductivity 2 - De Marzi.pdf

### Materials technologies

❖ Materials Science



Materials Science - Montone.pdf

❖ Optical coatings



Optical coatings - Piegari.pdf

## Post-doc positions in ENEA - Research Areas

### Climate and the Environment

❖ Marine Ecology	 Marine Ecology - Fanelli.pdf
❖ Marine Molecular Ecology	 Marine molec. ecology-Pannacciulli.pdf
❖ Marine Biology, Biomineralization and Climate Change	 Marine Biology - Lombardi.pdf
❖ Sustainable development of Primary Production	 Primary Production - Arpaia.pdf
❖ Climate Research	 Climate Research - Alessandri.pdf
❖ Materials recovery from waste	 Materials recovery - Cafiero.pdf
❖ Air pollution dispersion modeling	 Air pollution - Grandoni.pdf
❖ Air pollution dispersion modeling and simulation	 Air pollution - Mammarella.pdf
❖ Air pollution and climate change impacts on natural ecosystems	 Air pollution - De Marco.pdf
❖ Environment and Geosciences	 Environment, Geosciences-Mircea.pdf
❖ Environmental Science, Aquatic ecology	 Aquatic ecology - Morgana.pdf

### Advanced Technologies for Energy and Industry

❖ CO <sub>2</sub> Utilization: CO <sub>2</sub> conversion to fuel	 CO2 utilization - Barbarossa.pdf
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## Renewable Sources

❖ Electric Energy Storage



Energy storage - Prosini.pdf

❖ Hydrogen and Fuel Cells, High-temperature fuel cells



Hydrogen, Fuel cells - McPhail.pdf

❖ Recovery and recycling processes of PV panels



PV panels - Cigolotti.pdf

❖ Renewable Energy and Storage Integration into Smart Grids



Smart Grids - Cigolotti.pdf

## Development and applications of radiations

❖ Photonics Micro and Nano-structures



Photonics Micro,Nano - Montekali.pdf

❖ Solid State Laboratory: optical spectroscopy and laser confocal microscopy



Solid State Laboratory - Bonfigli.pdf

❖ Laser assisted pyrolysis synthesis for nanopowders production



Laser assisted pyr - D'Amato,Falconieri.pdf

❖ Optical and laser spectroscopic characterization of materials



Characterization - Falconieri.pdf

❖ 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



Ocean Optics - Artuso.pdf



LIFS - Caneve.pdf



Laser Raman Investigation - Chirico.pdf



LIBS - Colao.pdf



3D Laser Metrology - DeCollibus.pdf

- 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



Laser geochemical - DeDominicis.pdf



Electromagnetic fields - DeNinno.pdf



Atmospheric Laser - Fiorani.pdf



3D Laser Metrology - Francucci.pdf



Diagnostics for safety - Giubileo.pdf



3D Laser Metrology - Guarneri.pdf



Biohazards and food quality - Lai.pdf



LIBS - Lazic.pdf



Satellite remote sensing - Marullo.pdf



Laser spectro investigation - Palucci.pdf



LIFS - Spizzichino.pdf



Tissue engineering - Teodori.pdf