





FP7 for Young Researchers

Marie Curie Actions



Some basic about Marie Curie Actions



Some basic about Marie Curie Actions:

- Addressed to researchers at all stages of their careers, in all domains of research (bottom-up)
- Mobility (international, intersectoral, interdisciplinary)
- Application through competitive calls for proposals for individuals (post-doc level) or institutions
- Selection criteria: S&T quality, Training/Knowledge transfer, Implementation, Impact
- Budget covers generally: salary, mobility and research budget for the researcher

Overview of Marie Curie Actions in FP7

Marie Curie Action		Objective	
Initial training of researchers (1900 M€)	Initial Training Networks (ITN) European Industrial Doctorate (EID) Innovative Doctoral Programmes (IDP)	Improve career perspectives of early stage researchers in both public & private sector	
Life-long training and career development (1170–1400 M€)	Intra-European Fellowships (IEF)	Career development of experienced researchers by e.g.: diversification skills/competencies; integrate a stable position after mobility	
	Career Integration Grants (CIG)		
	Co-funding of regional, national, international programmes (COFUND)		
Industry dimension (250-450 M€)	Industry-Academia Partnerships and Pathways (IAPP)	Open and foster dynamic pathways between public research organisations and private commercial enterprises	
International dimension "World fellowships" (1170–1400 M€)	International Outgoing Fellowships (IOF)	Reinforce extra-European	
	International Incoming Fellowships (IIF)	dimension of the ERA through mobility through training,	
	International Research Staff Exchange Scheme (IRSES)	knowledge transfer and cooperation	

Basic definitions: individual and host actions

- Intra-European/International Fellowships are individual actions:
 - individual researcher applies jointly with host institution
 - duration 12-24 months (plus 1 year reintegration phase for International Outgoing Fellowships)
 - contract between Commission and host institution; work contract or stipend agreement between host and fellow
 - fellowship bound to individual (no replacement)

Basic definitions: individual and host actions

- Initial Training Networks are host actions:
 - consortium of various institutions applies for funding
 - successful consortia advertise positions and select fellows/researchers themselves

Basic definitions: level of experience

■ Early-Stage Researchers (ESR):

- 0-4 years experience (full-time equivalent) since degree qualifying them to embark on a doctorate

■ Experienced Researchers (ER):

- either in possession of a doctorate degree, or
- at least 4 years of research experience (full-time equivalent)

Basic Definitions

- All Marie Curie individual actions are for Experienced Researchers only
- Host Actions can be open to either Early-Stage
 Researchers and/or Experienced Researchers

Mobility requirements

- Fellow has not been resident in the host country for more than 12 month within the last three years
- Fellow does not have the nationality of the host country. Special rules in case of:
 - dual citizenship
 - European researcher returning from a third country
 - third country researcher having resided in Europe for a long time
 - International organisations as host institutions

Initial Training Networks

- Multi-Partner ITNs (ITN)
- European Industrial Doctorates (EID)
- Innovative Doctoral Programmes

MARIE CURIE ACTIONS for an INNOVATIVE EUROPE

Excellence, mobility and skills for researchers





Marie Curie approach for doctoral training

In principle for all Early stage researchers (doctorate is not required)

Scope: improve the **employability** and **career perspectives**, through:

- development of appropriate skills for working in both the private and public sector
- structured training programmes (skills development and research work)
- development of innovative aptitudes and entrepreneurial mindsets
- Involving the private sector in doctoral training, in cooperation with universities (exposure to the private sector)
- triple "I": International, Intersectoral, Interdisciplinary

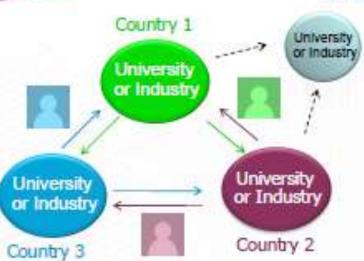
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Multi-ITNs



- At least 3 participants + associated partners, from different countries, sectors and disciplines
- Short-term secondments of researchers
- Networking activities
- Equip researchers with innovative skills (scientific and transversal skills)

Who can be recruited to ITN

- ITN supports researchers:
 - With up to 5 years experience (incl. doctoral study)
 - From over the world
 - For periods of 3-36 months (ESR)
 - For periods of up to 24 months (ER)
 - Researchers can be seconded to other partners for up to 30% of recruitment

Researchers can be of any nationality but must comply with the mobility requirements

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European **Industrial** Doctorates

Country 1

University /Laboratory

≥ 50%

Industry

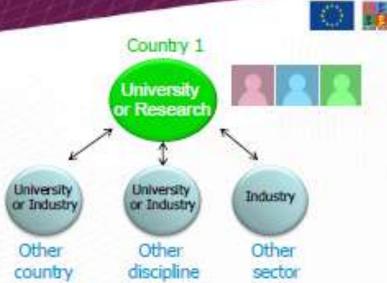
Country 2

2 participants (1 from each sector) + possible associated partners

- Each researcher must:
 - ✓ be enrolled in a doctoral programme
 - ✓ be employed by at least one of the participants
 - ✓ spend at least 50% of the time in private sector.
 - be jointly supervised by both participants

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Excellence, mobility and skills for researchers



Innovative Doctoral Programmes

- 1 participant + associated partners from different countries, sectors and disciplines
- Innovative training programme addressing the triple 'i' dimensions
- Equip doctoral candidates with innovative skills (scientific and transversal skills)
- Quality and quantity of supervision of doctoral candidates

ITN Financial Information

- Monthly Living Allowance
 - €38,000 per ESR/year x country coefficient (cc)
 - €58,500 per ER/year x cc
- Mobility Allowance
 - €1000/ €700 (family/not) per researcher per month x cc
- Contribution to Training and Research Costs
 - €1800 per researcher per month (multi ITN)
 - €1200 per researcher per month (EID and IDP)
- Management Activities
 - Maximum 10% of total EU contribution



NANODRUG 2011-2015 Novel Nanoparticles for Drug Delivery to the Skin

- The aim of the NANODRUG Network is to contribute to the defragmentation of nanomedicine by providing a unique training programme that covers all different aspects ranging from nanoparticles synthesis and characterisation, drug delivery, molecular biology to nanotoxicology, preclinical studies, risk assessment and nanotechnology policy making.
- This project brings together 6 academic groups and 2 industrial teams as full partners, complemented by 3 associate partners, one of which is an industrial team, from 6 European Union member states

For more information:

www.nanodrug.qmul.ac.uk



NANOTOES 2010-2014 Nanotechnology: Training of Experts in Safety

- Research and training programme covers the issues of biological effects of nanomaterials including their impact on human health and environment and equally the influence of biological entities on the properties of nanomaterials
- 9 Academic institutions + 3 industrial partners from 7 EU
 and two Associated Countries
- Both for ESR and ER

For more information:



www.nanotoes.eu





NAMASEN 2011-2015

"Neuroelectronics and Nanotechnology: Multidisciplinary Approach for the Science and Engineering of Neuronal Networks"

- It provides 12 young researchers with the opportunity to work in leading Europe's laboratories in Neuroengineering, Material Sciences and Computational Neurosciences
- 10 academic plus 3 industrial partners from the UK, Belgium, Germany, Switzerland, Italy, Israel, Poland and Greece

For more information:



www.namasen.net



NANOCTM 2010-2014 Nanoelectronics: Concepts, Theory and Modelling

- The NanoCTM network tackles major challenges in the theory of nanoelectronics.
- Ten internationally-leading European theory-of-condensed-matter groups from nine different countries [including one of Europe's leading industrial electronics-research groups (QinetiQ)] have joined forces as full participants, combining theoretical expertise in nanowires, quantum dots, carbon-based electronics, and spintronics, along with interaction and proximity effects in small dimensions.

For more information:

http://www.physics.lancs.ac.uk/nanoctm/

How to apply (ITN)

Find an announcement on a job/fellowship position



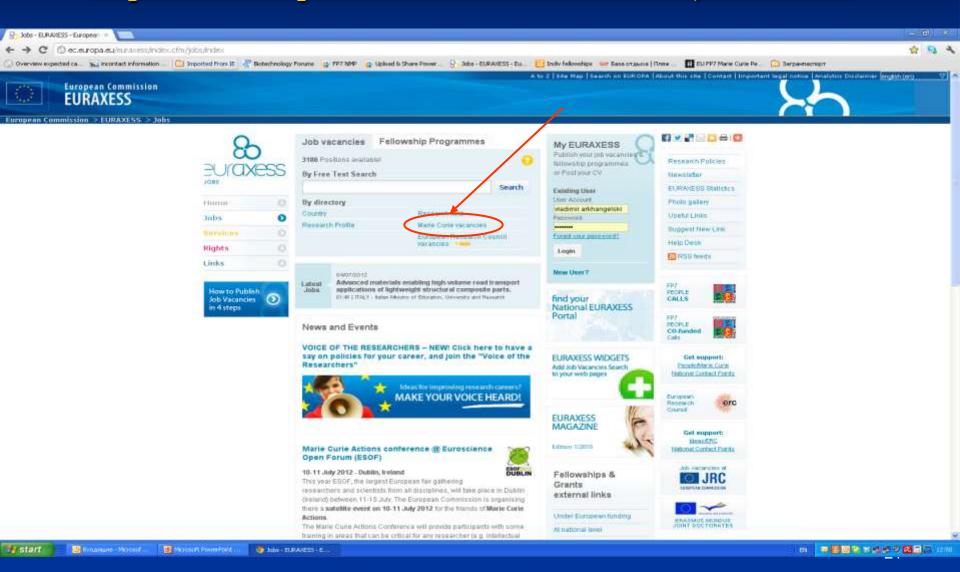
http://ec.europa.eu/euraxess/index.cfm/jobs/index

Send CV and application form to the host institution

Find an ongoing ITN project

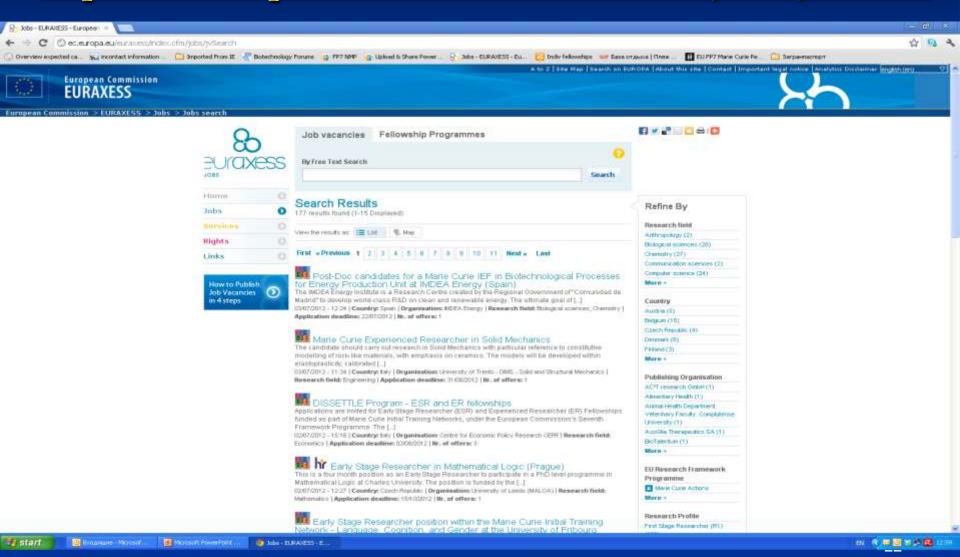
Marie Curie vacancies at Euraxess

http://ec.europa.eu/euraxess/index.cfm/jobs/index



Exercise 2: Euraxess

http://ec.europa.eu/euraxess/index.cfm/jobs/jvSearch



Exercise 3: Find a MCA project

http://ec.europa.eu/research/mariecurieactions/



Exercises

Let's try!

Job Vacancies

http://ec.europa.eu/euraxess/index.cfm/jobs/index
MCA ITN Projects

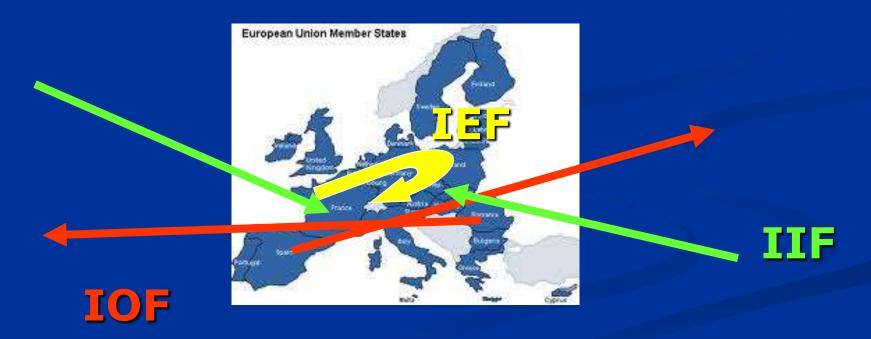
http://ec.europa.eu/research/mariecurieactions/

Individual Fellowships

IEF: Intra-European Fellowships

IOF: International Outgoing Fellowships

IIF: International Incoming Fellowships



Intra-European Fellowships

- For EU Member State or Associated Country researchers
- 12-24 months in a different EU MS or AC
- Individual applies with host
- Personal Career Development Plan by a Researcher together with his/her personal supervisor in the host organisation
- Contract between Commission and the host organisation, that then will employ the researcher for duration of fellowship

International Outgoing Fellowships

- For EU Member State or Associated Country researchers
- 24-36 months in total of which 12-24 months in third country
- Mandatory reintegration phase in *return* (European) host institution (12 months)
- Individual applies with return host institution
- Contract between return host institution and Commission for duration of fellowship

International Incoming Fellowships

- For Third Country researchers
- 12-24 months incoming phase in EU MS/AC
- Possible 1 year reintegration phase for researchers from ICPC
- Individual applies with host
- Contract between European host and EC for incoming phase, and between third country return host and EC for reintegration phase

Individual Fellowships: Funding (EU contribution)

- For the researchers:
 - Living allowance
 - Mobility allowance
- For the institutions:
 - Contribution to training and research expenses
 - Contribution to overheads
 - Other types of eligible expenses

Living allowance

Table 3.1: Yearly reference rates for monthly living allowances under employment contracts (Correction Coefficient index 100)⁸⁷

Researchers Categories	EUR/year
Early-stage researchers	38 000
Experienced researchers (< 10 years experience)	58 500
Experienced researchers (>10 years experience)	87 500

x host country correction coefficient

Mobility allowance

- Flat rate allowance to cover expenses linked to household, relocation and travel in the host country
- €700/€1000 without/with family
- Country correction coefficient applied

Benefits for the institutions

- Contribution to training and research expenses: € 800 per researcher-month
- Contribution to overheads: € 700 per researcher-month
- For IIF only: possible return phase single flat rate: € 15,000 researcher/year up to a maximum 1 year
- Country correction coefficient applied

How can a Researcher apply?

■ For a Host-driven Actions (e.g. ITN):

To apply directly to an institution that has been selected by the European Commission

■ For individual fellowships (IEF, IOF, IIF):

To prepare a project together with a host institution of your choice and submit it to the Commission

Outline the Process **Project Start Call fiche** published **Contract** signature **Proposal** submitted **Contract** negotiation **Evaluation**

Notification of results

Indicative timetable

Publication of Call	14 March 2013
Deadline for submission of proposals	14August 2013
Evaluation of Proposals	October 2013
Evaluation Summary Reports sent to proposal coordinators	End of November 2013
Invitation letter to successful coordinators to launch grant agreement negotiations	December 2013
Letter to unsuccessful applicants	From December 2013
Signature of first grant agreements	From February 2014

Proposal submission

- Submission should be done online through Electronic Proposal Submission Service (EPSS)
 - Find a call at FP7 Participant Portal
 http://ec.europa.eu/research/participants/portal/page/fp7 calls
 - Go to "Electronic Proposal Submission" section. Press "Go"
 - Register
 - Fill in the forms following instructions of the Guide for Applicants

<u>Help:</u>

- EPSS Guide: https://www.epss-fp7.org/epss/download2s?downType=helpF&fileType=GUIDE
- Helpdesk: e-mail support@epss-fp7.org or by phone +32-2-233 3760

Proposal Submission Forms

PART A

Set of forms on administrative information about the proposal and the proposers

■ PART B

- Free text description of the research project
- Series of headings and explanatory notes based on the evaluation criteria
- Limits on font size, size of PDF file

Evaluation of Proposals

- Evaluation by competent independent experts
- Need to address all of the issues to maximise scores
- Total score is 100%
- Some criteria have a threshold
- Overall threshold is 70%
- Each area is weighted
- Science counts 25%
- You must focus on the objectives of the action to be successful

Evaluation criteria and thresholds

Evaluation Criterion	Weighting (in %)	Threshold	Priority in case of ex aequo
S&T Quality	25	3	3
Training (*)	15	3	2
Researcher	25	4	1
Implementation	15	N/A	5
Impact	20	3.5	4

(*) for IIF – Transfer of knowledge – no threshold



Maximising Your Chances of Success – Individual Fellowships

What does the Commission want?

S&T Quality

- Research quality incl. interdisciplinary aspects
- Research methodology
- Originality and innovative nature and relationship to the 'state of the art'
- Timeliness and relevance
- Host research expertise in the field
- Quality of the group/'scientist in charge'

Training/Transfer of Knowledge

- Clarity and quality of the training/transfer of knowledge objectives for the researcher
- Relevance and quality of the additional research training (Intra-European)
- Measures taken by the host for providing mentoring/tutoring (Intra-European)
- Potential of transferring knowledge to European host (International)

Researcher

- Research experience
- Results including patents, publications, award, prizes, lectures etc.
- Independent thinking and leadership qualities
- Match between the fellow's profile and project

Tips

- Indicate everything relevant to criteria
- Put right statements
- Give evidence of statements (+ use referee assessment EPSS facility)

Implementation

- Quality of infrastructure / facilities & international collaboration of host
- Practical arrangements for implementation & management of scientific project
- Feasibility & credibility of project, including work plan (Gantt Chart)
- Practical and administrative arrangements, and support for the hosting of the fellow

Impact

- Impact on future career development
- Potential for creating long term collaboration
- Contribution to European excellence and competitiveness regarding the expected research results or through transfer of knowledge
- Impact of the proposed outreach activities

Proposal writing – Hints & Tips

- Work with your supervisor
- Keep the Guide for applicant in front of you
- Treat the criteria as examination questions
- Think about the way your write
 - Brainstorm each section
 - Then focus on a section at a time
- It will feel repetitive addressing issues from different angles
- Think about your evaluators
 - Clearly address the main objectives
 - Use clear and concise language
 - Provide them with the evidence they need



Have you maximised your chances?

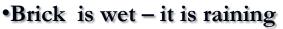
- •Please be aware that there will be strong competition.
- •Edit your proposal carefully, strengthen or eliminate weak points.
- •Put yourself in the place of an expert evaluator; please refer to the evaluation criteria given in the Call-Specific Guide.
- •Arrange for your draft to be evaluated by experienced colleagues, use their advice to improve it before submission.

GOOD LUCK!



Be simple and cogent!!

The Hyperion Brick - precise info on the weather



- •Brick is dry it is not raining
- •Brick makes shadow it is fine weather
- •Brick is not visible it's fog
- •Brick swings it is windy

- •There is something white on the brick – snow
- •Brick moves up and down earthquake
- •There is no brick data updating



That's all folks!

Thanks and good luck!

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