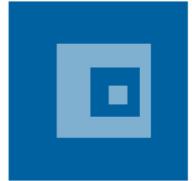






FINANZIAMENTI PER LE RETI DI DOTTORATO IN HORIZON 2020 29 ottobre 2014





# Agency for the Promotion of the European Research

Supporting research stakeholders over the last 20 years

Angelo D'Agostino, Milano

www.apre.it







# Summary

- LE RETI DI DOTTORATO MARIE SKŁODOWSKA-CURIE (MSCA):
  - **COSA SONO**
  - **©**COME FUNZIONANO
  - **©**COME PRESENTARE UNA PROPOSTA COMPETITIVA





# [Horizon 2020]



### **Excellent Science**

### European Research Council

Frontier research by the best individual teams

### Future and Emerging Technologies

 Collaborative research to open new fields of innovation

#### Marie Skłodowska Curie actions

Opportunities for training and career development

# Research infrastructures (including e-infrastructure)

Ensuring access to world-class facilities

### **Industrial Technologies**

# Leadership in enabling and industrial technologies

 ICT, nanotechnologies, materials, biotechnology, manufacturing, space

#### Access to risk finance

 Leveraging private finance and venture capital for research and innovation

#### Innovation in SMEs

Fostering all forms of innovation in all types of SMEs

### **Societal Challenges**

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research & the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Security society

**European Institute of Innovation and Technology (EIT)** 

**Spreading Excellence and Widening Participation** 

Science with and for society







"Marie Skłodowska-Curie actions" shall provide excellent and innovative research training as well as attractive career and knowledge-exchange opportunities through crossborder and cross-sector mobility of researchers to best prepare them to face current and future societal challenges."

Regulation (EU) No 1291/2013 of the European Parliament and of the Council of 11 December 2013, Part 1.c



Excellent

Innovative

**Training** 

Knowledge

exchange

Cross-border

Cross-sector

Mobility

Societal challenges



# [MSCA]



# **MSCA Objective**

Ensure the optimum development and dynamic use of Europe's intellectual capital in order to generate new skills, knowledge and innovation

**Budget 2014-2020:** 6 162 million €





# [Key features]



- Open to all domains of research and innovation from basic research up to market take-up and innovation services
- Entirely bottom-up
- Participation of non-academic sector strongly encouraged, especially industry and SMEs
- Mobility as the key requirement funding on condition participants move from one country to another
- Particular attention to gender balance
- Public engagement of supported researchers









- ✓ Academic sector: public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations
- ✓ Non-academic sector: any socio-economic actor not included in the academic sector definition
- ✓ Beneficiaries => signatories of the grant agreement
- ✓ **Partner organisations** => not signing the grant agreement
- ✓ Categories of researchers: **ESR** and **ER** in line with FP7 approach
- ✓ Full time research equivalent and mobility rule following FP7 approach









Research fields are freely chosen by the applicants, except:

- research activity aiming at human cloning for reproductive purposes
- research activity intended to modify the genetic heritage of human beings which could make such changes heritable
- research activities intended to create human embryos solely for the purpose of research or for the purpose of stem cell procurement, including by means of somatic cell nuclear transfer
- areas of research covered by the EURATOM Treaty





# [MSCA]



### ITN

Early-Stage Researchers Innovative networks supporting early-stage training (Including *Industrial doctorates* & *Joint doctorates*)

### IF

Experienced Researchers

Individual fellowship supporting experienced researchers undertaking mobility

### RISE

Exchange of Staff

International and inter-sector cooperation through research and innovation staff exchange

### COFUND

Co-funding

Co-funding of regional, national and international programmes funding doctoral and postdoctoral researchers







# **Innovative Training Networks (ITN)**



## MSCA - main EU programme for structured doctoral training

### **Objective**

- ✓ raise excellence and structure research and doctoral training.
- ✓ train a new generation of creative, entrepreneurial and innovative early-stage researchers

### Scope

- ✓ European Training Networks (ETN), European Industrial Doctorates (EID) or European Joint Doctorates (EJD)
- ✓ Triple 'i' dimension of mobility and particular focus on innovation skills

### **Expected Impact**

- ✓ structure research and doctoral training in Europe
- ✓ trigger cooperation and exchange of best practice among participants
- enhance researchers' employability and provide them with new career perspectives













## **European Training Networks (ETN)**

- The most general mode, epitomising the ITN policy objectives
- Does not require mandatory doctoral training but...

## **European Industrial Doctorates (EID)**

- Focus on academic/non-academic collaboration
- Widening fellows' career horizons

## **European Joint Doctorates (EJD)**

- Promoting greater structural co-operation between universities
- Offering more employment opportunities to fellows







# [ITN - Main features]



- ✓ Budget\*: € 405.18 Million in 2014 (EID: 25.5 Mio, EJD: 30 Mio)
   € 370 Million in 2015 (EID: 25 Mio, EJD 28 Mio)
- ✓ Duration of projects: maximum 4 years
- ✓ Consortium agreement: required only for EID
- ✓ Support to early-stage researchers only
- ✓ Fellowships of 3-36 months
- ✓ Maximum **540 researcher-months** per consortium (180 for EID with 2 partners)
- Separate multidisciplinary panels for EID and EJD



# [ITN – Who can apply?]



# Who can apply?

• Networks of organisations involved in research and (research) training.

# What types of organisations can apply?

- Two different types:
- ✓ Academic sector: public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations
- ✓ Non-academic sector: any socio-economic actor not included in the academic sector definition





# [Level of participation]



- ✓ **Beneficiaries**: signatory to the agreement
  - ✓ full partners
  - ✓ They contribute directly to the implementation of the research training programme by appointing, supervising, hosting and training researchers. They may also provide secondment opportunities
- ✓ Partner organisations: non-signatory of the agreement
  - ✓ do not employ the researchers within the project
  - ✓ A letter of commitment in the proposal









Implementation Mode	Country of beneficiaries
European Training Network (ETN)	Minimum: 3 different countries: MS or AC
European Industrial Doctorates (EID)	Minimum: 2 different countries: MS or AC
European Joint Doctorates (EJD)	Minimum: 3 different countries: MS or AC

Additional beneficiaries or partner organisations can be established anywhere in the world (MS, AC, TC)

Duration of support: 3-36 months

Researchers in EID shall spend at least 50% of their time in the non-academic sector





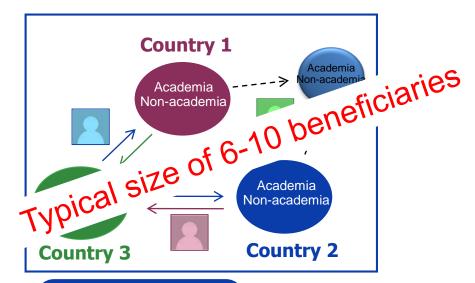
# [Level of participation]

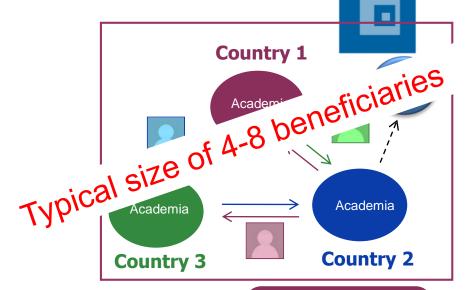


Minimum Number of Participants					
Network Status	ETN EID EJD				
Beneficiary	3	2	3		
		1 doctoral-degree awarding; 1 non- academic	doctoral degree- awarding		
Partner Organisation <sup>3</sup>	No minimum	No minimum	No minimum		

Summary of Tasks				
Network Status Researchers		Training and/or Hosting of Seconded Researchers	Participation in Supervisory Board	Directly Claims Costs
Beneficiary	✓	✓	✓	✓
Partner organisation	×	✓	✓	*

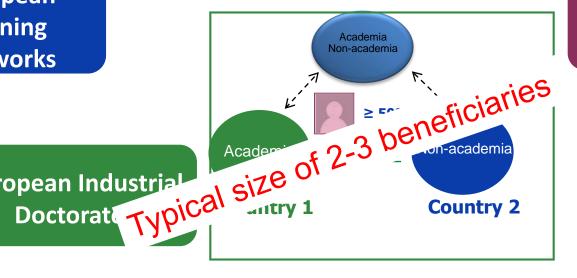
# [ITN – consortia]





European **Training Networks** 

European Industrial



European Joint **Doctorates** 





# [Innovative Training Networks - ITN]



Early Stage Researchers

Innovative Training Networks are exclusively for early-stage researchers in the first 4 years (full-time equivalent research experience) of their career and not awarded a PhD at the time of their (first) recruitment.

**Full-time equivalent research experience** is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited

- Researchers recruited for min. 3 months and max. 36 months.
- No restrictions based on nationality.







- The researcher must not have resided or carried out his/her main activity (work, studies, etc.) in the country of his/her host organisation for more than 12 months in the 3 years immediately prior to his/her (first) recruitment.
- •Compulsory national service and/or short stays such as holidays are not taken into account.
- •Exception: for international organisations, the mobility rule does not apply to the hosting of eligible researchers. However, the appointed researcher shall not have spent more than 12 months in the 3 years immediately prior to recruitment at the same organisation.







# http://ec.europa.eu/euraxess/





European

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ERCA OPEA

### **EURAXESS** Researchers in Motion

Commission





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#### Latest offers

#### 10/09/2013

Deanery of Military Medical Faculty of the Medical University of Lodz announces two job vacancies in the position of assistant POLAND | Medical University of Lodz Research fields: Medical sciences

#### 10/09/2013

Assistant Professor at the Department of Vehicles and Fundamentals of Mechanical Engineering at Lodz University of POLAND | Lodz University of Technology

Research fields: Engineering

#### Fellowships &

#### **Grants external**

#### links

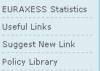
Under European funding At national level

At international level

#### **National Portals**

#### Find your National EURAXESS Portal





Help Desk

#### CONFERENCE: Raising Researchers' Voices opinions on jobs, careers and rights



Conference 'Raising Researchers' Voices opinions on jobs, careers and rights' - REGISTRATION NOW OPEN!



Do you wish to attend the Conference 'Raising Researchers' Voices opinions on jobs, careers

#### Naturejobs Career Expo — London 2013



Now in its seventh year, the Naturejobs Career Expo is the UK's largest career fair and conference for the scientific community.

The Expo promotes alphal

#### SAVE THE DATE: Student and Early AUG Stage Researcher **Satellite Conference** to Berlin 11 Open Access Meeting

The Max Planck Society and Right to Research Coalition will host the first-ever satellite conference to the Berlin Open Access conference series specifically for students and early stage researchers on November 18th in Berlin, Germany.

#### Post your job offer or CV on-line! AUG 2013



Do you wish to post a job position or fellowship offer or your CV on-line?

### **EURAXESS WIDGETS** Add Job Vacancies Search to your web pages



### Get support:

People/Marie Curie National Contact Points enterprise

europe network







# Research and Training Activities

- Training through research by means of individual, personalised projects, including meaningful exposure to different sectors;
- Development of network-wide training activities (e.g. workshops, summer schools)
- Provision of structured training courses (e.g. tutorials, lectures)
- Exchanging knowledge with the members of the network through undertaking intersectoral visits and secondments
- Invitation of visiting researchers originating from the academic or nonacademic sector









# Networking activities:

- Organisation of scientific or managerial network meetings;
- Visits and secondments between partners in order to exchange knowledge;
- Invitation of external experts for specialist input;
- Attendance of the recruited researchers at international conferences and workshops;
- Use of the Internet, email and video conferencing;
- Collaboration with other ITN project or research group;
- Organisation of a final network conference.









# **Public Engagement**

the primary goal of public engagement activities is to create awareness among the general public of the research work performed and its implications for citizens and society.









### Transferable skills:

- <u>Training related to research and innovation</u>: management of IPR, take up and exploitation of research results, communication, standardisation, ethics, scientific writing, personal development, team skills, multicultural awareness, gender issues, research integrity, etc.
- <u>Training related to management or grant searching</u>: involvement in the organisation of network activities, entrepreneurship, management, proposal writing, enterprise start-up, task co-ordination, etc.



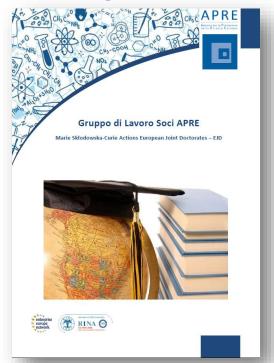






Joint degree: single diploma issued by at least two higher education institutions offering integrated programme and recognised officially in the countries where the degree-awarding institutions are located

Double or multiple degree: two or more separate national diplomas issued by two or more higher education institutions and recognised officially in the countries where the degree-awarding institutions are located











# Q33: Is it mandatory to appoint fellows for the maximum 36-month period under the -EID and the EJD modes?

A: Although not mandatory, these modes are essentially designed to fund doctoral research programmes and therefore Early-Stage Researchers should generally be appointed for the maximum 36-month period. Shorter appointments would have to be carefully explained and justified and would be assessed by the expert evaluators during the evaluation procedure.









- Q35: Project duration is normally 4 years. Are longer or shorter durations possible? If EID and EJD are doctoral programmes, why can Early-Stage Researchers only be appointed for a maximum of 36 months when many will take longer than this to complete their PhDs?
- A: Project duration is a maximum of 4 years. This gives the consortium sufficient time to recruit the fellows and to appoint them for the maximum 36-month period. Shorter durations of the grant agreement are theoretically possible but not recommended, since experience has shown that a project duration of 4 years offers the consortium a useful margin for manoeuvre.
- In those countries where the duration of PhD study is formally 4 years, additional funding from other sources should be secured by the participant in order to fund the 4th year of doctoral studies.









# Q39: Is it compulsory for the ESRs enrolled in a PhD to defend their thesis within 3 years?

A: No. In EID and EJD the researchers must be enrolled in the doctoral programme. In case of EJD it shall be a joint doctoral programme leading to the award of joint, double or multiple doctoral degrees. However, in cases when a doctoral degree is awarded after 3 years or even after the end of the project the REA may check if the commitment to provide doctoral training was fulfilled.







- A joint research training or doctoral programme
- These programmes should respond to well-identified multi- and interdisciplinary needs in defined scientific or technological areas, expose the researcher to the academic and non-academic sectors, and offer a comprehensive set of transferable skills relevant for innovation
- individual, personalised research projects







	Researcher unit cost**			Institutional unit cost**		
Marie Skłodowska- Curie Action		person/month			person/month	
	Living allowance*	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs	
Innovative Training Networks	3 110	600	500	1 800	1 200	







Publication of call	02 September 2014
Deadline for submission of proposals	13 January 2015 at 17:00:00, Brussels local time
Evaluation of proposals	March 2015
Information on the outcome of the evaluation	June 2015
Indicative date for the signing of grant agreements	September 2015







# [Award criteria: ITN]

Excellence	Impact	Implementation
Quality, innovative aspects and credibility of the research programme (including inter/multidisciplinary and intersectoral aspects)	Enhancing research- and innovation-related human resources, skills, and working conditions to realise the potential of individuals and to provide new career perspectives	Overall coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources (including awarding of the doctoral degrees for EID and EJD projects)
Quality and innovative aspects of the training programme  (including transferable skills, inter/multidisciplinary and intersectoral aspects)	Contribution to structuring doctoral / early-stage research training at the European level and to strengthening European innovation capacity, including the potential for:  a) meaningful contribution of the non-academic sector to the doctoral/research training, as appropriate to the implementation mode and research field  b) developing sustainable joint doctoral degree structures (for EJD projects only)	Appropriateness of the management structures and procedures, including quality management and risk management (with a mandatory joint governing structure for EID and EJD projects)
Quality of the supervision (including mandatory joint supervision for <i>EID</i> and <i>EJD</i> projects)	Effectiveness of the proposed measures for communication and dissemination of results	Appropriateness of the infrastructure of the participating organisations
Quality of the proposed interaction between the participating organisations		Competences, experience and complementarity of the participating organisations and their commitment to the programme









Call ID	Call Opens	<b>Call Deadline</b>	Budget (Mio EUR)
H2020-MSCA-ITN-2015	02-09-2014	13-01-2015	370.00



# Links



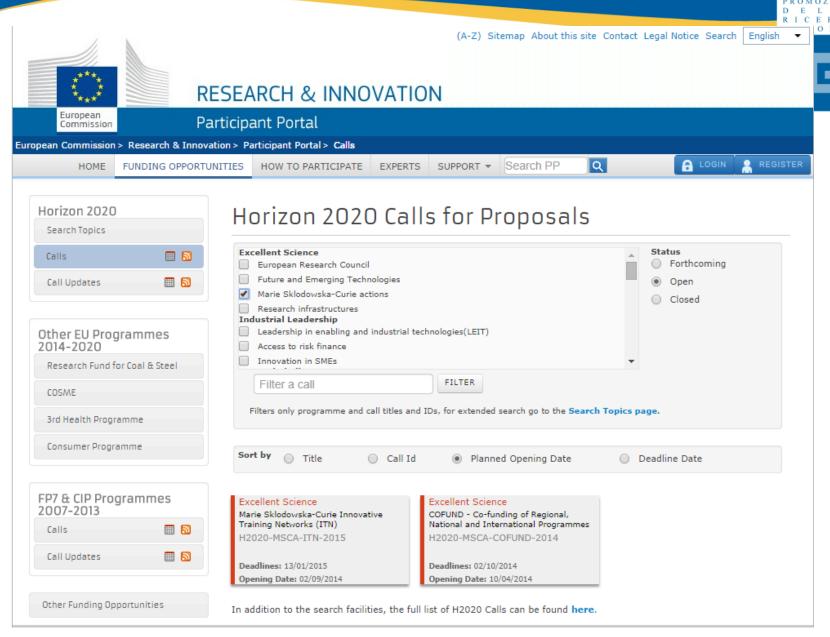
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http://ec.europa.eu/programmes/horizon20 20/en/h2020-section/mariesk%C5%82odowska-curie-actions















#### **GUIDE FOR APPLICANTS**

Marie Skłodowska-Curie Actions

#### Innovative Training Networks (ITN)

Call Identifier: H2020-MSCA-ITN-2015 Closing Date: 13 January 2015 at 17:00:00 (Brussels local time)

Date of publication: 2 September 2014 Version Number: 2015.2

#### HORIZON 2020 WORK PROGRAMME 2014 – 2015

3. Marie Skłodowska-Curie Actions

Important Notice on the First Horizon 2020 Work Programme

This Work Programme covers 2014 and 2015. Due to the launching phase of Horizon 2020, parts of the Work Programme that relate to 2015 (dates, budget) are provided at this stage on an indicative basis only. Such Work Programme parts will be decided during 2014.

(European Commission Decision C (2013)8631 of 10 December 2013)









Proposals in this call must be submitted electronically, using the **Electronic Submission Services of the Commission** accessible from the call page on the Participant Portal.

In Part A you will be asked for certain administrative details that will be used in the evaluation and further processing of your proposal. Part A constitutes an integral part of your proposal.

Details of the work you intend to carry out will be described in Part B







# **Part A of the Proposal**

## Table of contents

Section	Title	Action
1	General information	Show
2	Participants & contacts	Show
3	Budget	Show
4	Ethics	Show
5	Call-specific questions	Show



# [Part B of the Proposal]

Part B of the proposal contains the details of the proposed research and training programmes along with the practical arrangements planned to implement them.

Applicants must structure their proposal according to the headings indicated in the Part B proposal template

A Word version of the submission template can be downloaded from the Electronic Submission Services of the Commission. Applicants must ensure that proposals conform to this layout and to the instructions given in this Guide for Applicants







## [Part B of the Proposal]

The maximum total length of sections 1 to 3 of Part B of the proposal is 30 pages

There is no page limit per section. Within the overall page limit, applicants are therefore free to decide on the number of pages dedicated to each section.

Please remember that it is your responsibility to verify that you conform to page limits. Experts will be instructed to disregard any excess pages above the 30 page limit.

The **minimum font** size allowed is **11** points. The page size is **A4**, and all **margins** (top, bottom, left, right) should be at least **15 mm** (not including any footers or headers). Ensure that the font chosen is clearly readable (e.g. Arial or Times New Roman).







# [Part B of the Proposal]

Literature references should be listed in footnotes, font size 8 or 9. However, regardless of the format used, all footnotes will count towards the page limit

Part B of your proposal carries as a **header** to each page the proposal **acronym** and the **implementation mode** to which you are applying (i.e. Standard EF, CAR, Reintegration, GF). All pages should also be numbered in a single series on the footer of the page to prevent errors during handling. It is recommended that the numbering format "Part B - Page X of Y" is used.

Partner organisations must include a **letter of commitment** in the proposal to demonstrate their real and active participation in the proposed network. Such letters should be scanned and included in Section B.6.









#### Excellence

- •Multidisciplinarity aspects of the training are not provided in sufficient detail.
- The many different objectives of the project are inadequately interconnected
- Reference methods to be used for the validation purposes are only briefly explained
- •The state of the art is not described in sufficient detail and the originality of the research program is not convincingly demonstrated
- The involvement of non-academic sector in training of ESRs is described but not in details









## Impact

- •The contribution of the non-academic sector to doctoral training is not substantially elaborated
- The intersectoral exposure of ESRs is not meaningful for some of them, and overall the secondments to the non-academic sector are not sufficient to have a clear impact
- •Measures for the dissemination of the results to the private sector are not specifically addressed









## Implementation

- The individual research projects are described in insufficient detail
- Representatives of the ESRs are not included in the Supervisory Board
- Contingency plans are not fully defined
- Potential complementarities are not fully exploited







- Use standard and concise english
- Make the text clear, well structured, and fluent
- Plan an index, use short paragraphs, point out key passages, schematise the concepts
- •Insert only information relevant to the project
- Answer to ALL! the questions indicated in the form
- Coherent language in all proposal paragraphs (e.g. service system, experimentation – test etc.)









- Do not assume that the evaluator is a hardcore expert in the field
- a clear description of the research methodology
- Explain why it is original, innovative, timely and relevant
- Highlight interdisciplinary/multidisciplinary aspects of the proposal
- •why the research and training presented will bring new skills and knowledge to the candidate
- Complementary skills
- Demonstrate its feasibility, risk analysis, and, if possible, show a plan B







## [Tips on how to write a successful proposal]



Make the proposal readable. Evaluator has few hours to read your proposal and evaluate it.

Write in bold, use cursiv, underline.

Better one table than thousand words...







Eleven centres and research groups active in andrology and medical sexology have been selected: Leuven (B), Muenster (D), Leipzig (D), Barcelona (E), Rome (I), Florence (I) (these biomedical centres also have interdisciplinary connections with psychological and psychosexological research groups and inter sectorial connections with research groups in the sectors of sociology and science of communication; complementary training described in point B2.1 will be organised in these Centres); Malmoe (S), Manchester (UK), Giessen (D), Tartu (EE), Lodz (PL) (centres with clinical and bio-molecular facilities). See also point B3 with the individual Centres description.

As previously noted, these centres are already linked by a common training project under the EAA. This new research and training project will be able to make use of an already effective network.

Also inserted in the Network will be the companies most involved in producing the latest generation products active in the andrological field: Serono, Organon, Ferring, Sigma Tau producing hormones and drugs proposed for therapy male infertility,

Eli Lilly, Pfizer, Bayer, and GSK, manufac Johnson & Johnson, manufacturer of th treating premature ejaculation, Scherin administration methods dedicated to ag point B2.1 will be organised by experts

#### **List of involved Centres**

Malmö (S), University of Lund, Department of Manchester (UK), Department of Endocrinolo Tartu (EE), Department of Urology, Tartu Univ Leuven (B), Department of Endocrinology, Un Muenster (D), Institute of Reproductive Medic Giessen (D), Department of Dermatology, Just Leipzig (D), Department of Andrology and Der Lodz (PL), Department of Andrology and Reproductive (E), Fundacion Puigvert Andrology 5

inhibitors acting on erectile dysfunction, otonin reuptake, specifically aimed at errone formulations with innovative, specific the complementary training describe in

r Giwercman
Prof. Frederick Wu
ab
Prschueren
Eberhard Nieschlag
Prof. Andreas Meinhardt
en Glander

of Lodz, Chairman Prof. Krzysztof Kula Prof. Osvaldo Raimil

Rome (I), Department of Medical Physiopathology, University of Korne La Sapienza , Co-Chairmen Prof. Andrea Lenzi and Prof. Franco Dondero





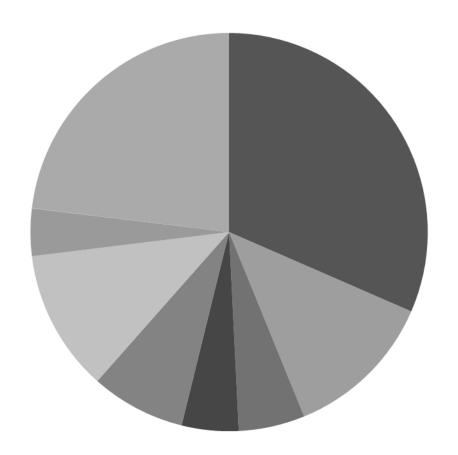
centres	Competencies					
	Clinical	Laborat ory	Sexologi cal	Psychologi cal	Ethic al	Sociologic al
Rome	Х	X	Х	X	Х	X
Malmo	Х	X	Y	_	Х	-
Manchest er	X	X	MIL	9	X	-
Tartu	X	X		17	-	-
Leuven	X	X		3	X	X
Muenster		X	7	70	Х	X
Giessen	Х	<b>.</b>	MAN		Х	-
Leipzig	Х	X	- 181		-	-
Lodz			Х	-	-	-
Barcelona	Х	Х	Х	Х	Х	Х
Florence	х	X	Х	х	х	X



A P R E
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P E R L A
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D E L L A
R I C E R C A
E U R O P E A

## [Tips on how to write a successful proposal]













#### **CHANGE PERSPECTIVE**

Your proposal must be written in order to resolve European problems identified in EU policies

Never give the impression that you are writing a project because trying to get funding!







#### **APRE**

Agenzia per la Promozione della Ricerca europea via Cavour, 71 00184 - Roma <u>www.apre.it</u> Tel. (+39) 06-48939993 Fax. (+39) 06-48902550

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