



Funding opportunities in Europe

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Young scientists networking workshop (14 October 2015, Budapest)



What is belonging here?

- Basic research on any aspect of pathogens causing infections
- Applied research on clinical and microbiological diagnosis of infectious diseases
- Research on any aspect of epidemiology and prevention of the spread of infections
- The immunological aspects of infectious diseases
- The best therapy for infectious diseases (antibiotic resistance problems)
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What is needed to be successful in basic or applied research

- Competitive (suitable, up-to-date) topic
- Knowledge of technical issues (methods)
- Guidance from tutor(s)
- Experience (time to spend) in expert laboratories in the field


and

- Funding (money) to carry out research



What is needed to be successful in basic or applied research

money

- 
- To be able to get reasonable results
 - To learn how to present them during scientific meetings
 - To learn how to publish it in scientific journals (traditional ones or „open access”)



Founding can come from

- Local societies or European societies of the field
- Country-level research funding or European-level research founding agencies
- Your own institution
- Scientific networks
- Industry
- In most cases networking is a requirement

FEMS – Federation of the European Microbiological Societies



- Supports scientific conferences, laboratory workshops and training courses
- **Attendance Grants** to early career scientists to attend FEMS supported meetings
- Conditions:
 - should be member of a FEMS Member Society
 - less than 36 years of age
 - be an active microbiologist
 - should be the presenting author
- ESCMID-FEMS and FEMS-ESCMID fellow grants



FEMS – Federation of the European Microbiological Societies



Jensen Award

- Is donated in every second year
- To recognize academic achievement and superior research accomplishments showing significant potential to **develop an outstanding research career.**
- It supports a fellowship for at least half a year in an outstanding research laboratory, chosen by the applicant
- Applicants should be less than 36 years old !!



EUPHEM – European Programme for Public Health Microbiology Training



Includes activities related to the area of **public health microbiology**:

- public health microbiology management,
- applied public health microbiology and laboratory investigations,
- surveillance, outbreak investigation, bio risk management,
- quality management, research,
- communication and teaching.

Training sites with financial support for the applicant:

Czech Republic – National Institute of Public Health

Denmark – Statens Serum Institut

France – Institute Pasteur

Germany – Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit

Ireland – Public Health Laboratory

Italy – Istituto Superiore di Sanità

Spain – Instituto de Salud Carlos III

https://ecdc.europa.eu/en/activities/training_activities/EUPHEM/



2-year Masters Course to train

- future decision makers in the field of public health,
- to provide them with international experience,
- conceptual knowledge, analytical techniques and interdisciplinary competences

One of the present option is: **Master Course in Public Health in Disasters**

The students learn how to propose, plan, implement and evaluate culturally appropriate, evidence-based policies and interventions for the effective improvement of population health

<https://www.Erasmus-Mundus-Masters-in-Public-Health>

● ● ● | SeqNet.org – European network
of laboratories for sequence
based typing of microbial pathogens



- It implements different kinds of workshops on sequence typing.
- Type of training: workshops
- Target audience: medical and molecular microbiologists and infection control personnel interested in molecular typing
- Topics of the training supported by the network:
 - Lab-based capacity-building workshops,
 - Sequence-based typing workshops (focusing on *spa*-typing and next-generation sequencing of *S. aureus* / MRSA))



INBIONET – Marie Curie initial training network in infectious biology



- Offers training to recruited PhDs and PostDocs (total of 15 fellows) in all areas of infection biology research including courses/seminars, international meetings, network workshops, network meetings and the program is supported by the industry

Financial support: EU's Seventh Framework Program (FP7) until 2016 december

- Topics among others:
 - investigation of signaling
 - animal models to imaging of inflammation
 - role of innate immunity

<https://www.inbionet.eu>



- IMI is a joint undertaking between the European Union and the European pharmaceutical industry association (EFPIA)
- Aim: to speed up the development of better and safe medicines for patients.
- IMI projects receive funding from the European Commissions' research framework programs
- Call 6 (2016) research topics: Respiratory infections, medicines safety
- Activities: organize training sessions
- Target audience: all researchers including young scientists



ESWI – European scientific
working group on influenza



Main activities:

- raise awareness about the impact of epidemic and pandemic influenza in Europe,
- organize influenza conferences
- supports meetings, workshops on any aspect of influenza, including immunization

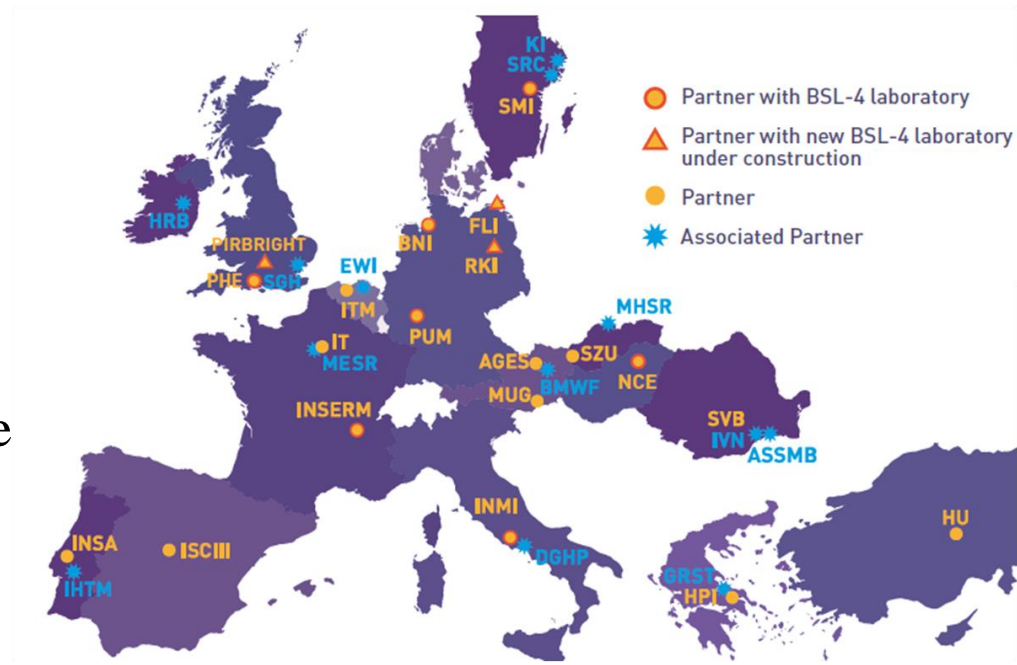
ESWI has been actively supporting the careers of young scientists for many years.

<https://www.eswi.org>

ERINHA – European Research Infrastructure on Highly Pathogenic Agents




- Provides training to ensure competency of users in BSL-4 facilities in compliance with national regulations and training programs approved by all BSL-4 facilities
- Training sessions are organised to how to use BSL-4 facilities, to achieve best practices in biosafety
- There is an open access for European researchers



<https://www.erinha.eu>

ENIVD - European Network for Diagnostics of "Imported" Viral Diseases



- This project is financially supported by ECDC 
- It facilitates workshops and training courses to strengthen detection and diagnostic capacities of special viral diseases in Europe.
- Ongoing studies on : Yellow fever, Dengue, Chikungunya
- All researchers may apply
- What you can learn: Laboratory diagnosis of specific viral infections and routine diagnostics (e.g. sampling strategies, use/limitation of tests, test interpretation, case studies, shipment of dangerous viruses)

<https://www.enivd.de>



European Academies
Science Advisory Council

- This is an association of 29 Academies in Europe
- Broad range of topics are selected and supported
- Important role to convince policy makers about important topics of the science
- Some examples of the topics you may join:
 - Supports a network of medical and public health experts in arthropod surveillance to improve preparedness towards vector-borne disease
 - To carry out research on a broad range of topics about antibiotic resistance
- Financing from the local sources and from the EU



ESCMI

EUROPEAN SOCIETY
OF CLINICAL MICROBIOLOGY
AND INFECTIOUS DISEASES

The largest scientific society in the field of infectious diseases covering all medical, microbiological, immunological and epidemiological aspects of these diseases in Europe.

Provides a wide range of training opportunities that range from

- yearly congresses (ECCMI with more than 10 000 attendees),
- topic oriented conferences (1-400 participants)
- summer schools every year (1 week)
- topic oriented postgraduate courses /technical workshops (10-15/year)

<https://www.escmid.org>



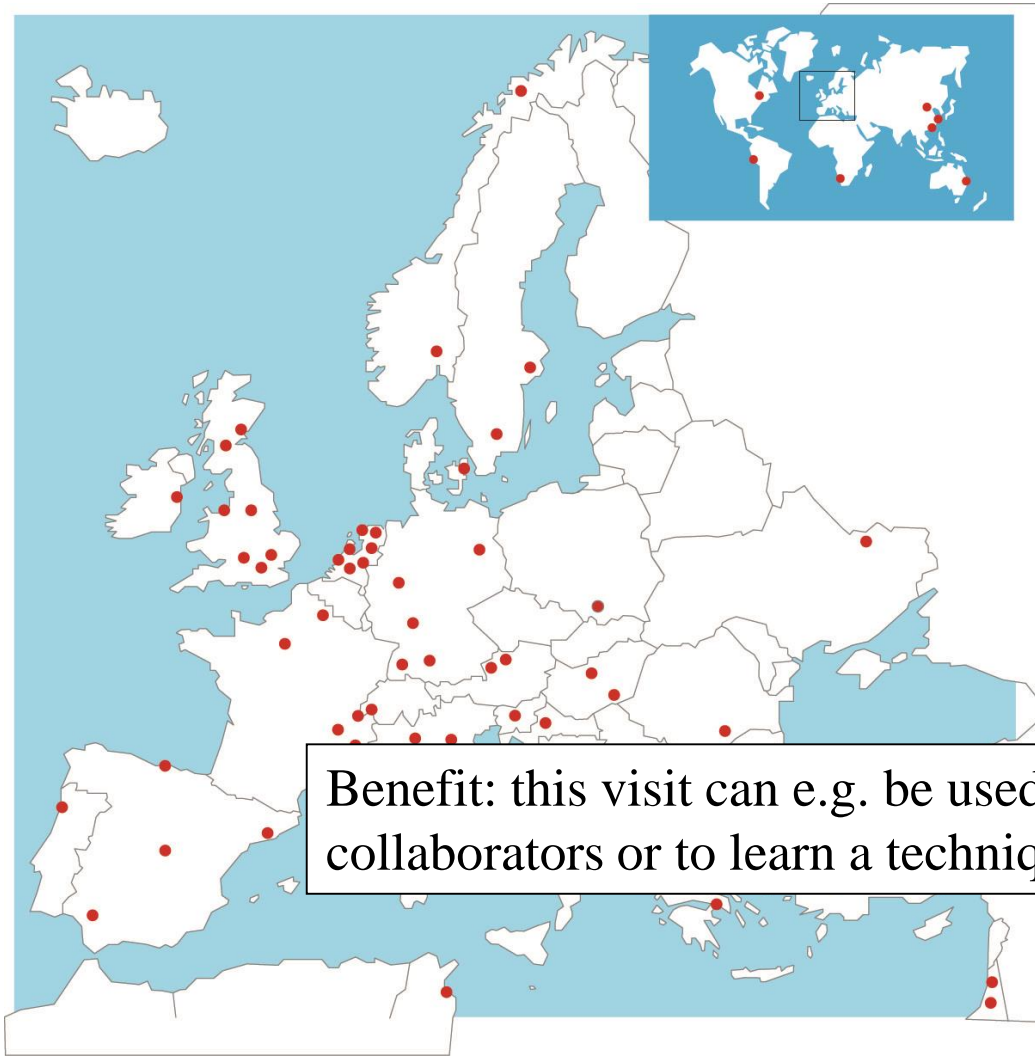
ESCMID

EUROPEAN SOCIETY
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- 29 Study Groups on a great variety of topics of microbiology and infectious diseases - are the bases of research activities
 - Every year a research grant can be applied for up to 30 000 EUR
 - Teaching activities of the SG is also supported
- The Observership program provides possibilities to spend up to 1 month in the laboratory / clinic of any of the Collaborative Centers
 - Gives financial support for learning or starting / continuing research up to 1 700 EUR for visit
 - Starting / following networking activities between laboratories.
 - Observership program for ECDC and WHO regional office for Europe

<https://www.escmid.org>

ESCMID Collaborative Centres



81 fully approved
ECCs

Some are outside
Europe

Benefit: this visit can e.g. be used to meet with potential project collaborators or to learn a technique important for a project !!



Fundings provided by ESCMI

- Research grants for two projects selected by reviewers up to 400 000 EUR
- SG research grants (10-15 x 30 000 EUR)
- Young investigators research grant (out of 169 applicants 14 were supported)
- ESCMI – FEMS fellow grant
- Travel grants to participate ECCMIDs
- Travel grants to participate summer schools
- Travel grants to participate PG courses
- Travel grants to support Observership visits
- New: Mentorship program

Membership of ESCMI is needed!! Age-limit is different



European Science Foundation



- Each year, the European Science Foundation (ESF) announces a series of calls for proposals which will give the opportunity to propose collaborative research projects and networking activities with a European dimension.
- The calls span all fields of science through four main funding instruments, covering all types of scientific activities, from basic research and frontier science to networking and dissemination.
- ESF supports short visits (15 days) or exchange visits (from 15 days to 6 months) as part of its Research Networking Programmes.



European Research Council



- For the FP7 program (2007-2013) 7.5 billion EUR
- The Budget for the Horizon 2014-2020 is 13.1 billion EUR
- Two topics from the life science program eligible for our interest:
 - **LS6** Immunity and infection: immunobiology, aetiology of immune disorders, microbiology, virology, parasitology, global and other infectious diseases, population dynamics of infectious diseases, veterinary medicine
 - **LS7** Diagnostic tools, therapies and public health: aetiology, diagnosis and treatment of disease, public health, epidemiology, pharmacology, clinical medicine, regenerative medicine, medical ethics



INFECT-ERA 4th joint transnational call

- To support multinational, collaborative research projects addressing specific topics of human infectious diseases caused by bacteria, viruses, fungi or protozoa
- **Special contingent for young scientists**
- Criteria: having been awarded a PhD or equivalent at least two and a maximum of nine years before the deadline for submission of pre-proposals (periods of maternity/paternity leave or military service shall be taken into account)



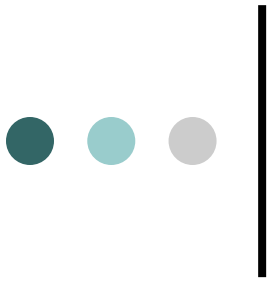
Two main groups of topics:

- A.) The host-pathogen interactions, with regard to clinically relevant microbial clones, focused on host susceptibility (e.g., innate immune response, populations at risk, etc.)
- B.) Development of innovative strategies for the diagnostic and treatment of microbial infections with high clinical relevance; optimization of antimicrobial therapy in an individual patient and development of biomarkers to allow individual response prediction.
- Proposals with topics HIV/AIDS, malaria and tuberculosis are not in the scope of the call



Time line of the call

- **December 2015:** Pre-announcement of the publication
- **January 2016:** Publication of the fourth joint transnational call
- **March 17th, 2016:** Deadline for pre-proposal submission
- **April/May 2016:** Evaluation of pre-proposals
- **End of May, 2016:** Communication of the results of the pre-proposal assessment (invitation for full proposal)
- **July 15th, 2016:** Deadline for full proposal submission
- **September 2016:** Peer Review Panel Meeting
- **December 2016:** Communication of the funding decisions to the applicants
- **End of 2016/mid-2017:** Expected project start



Online submission tool:

www.submission-infect-era.eu

Thank you for your attention!

