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## EURAXESS LINKS ASEAN

Dear Colleagues,

Congratulations are in order for Dr Phanramphoei N. Frantz, a researcher at Thailand's National Centre for Genetic Engineering and Biotechnology (BIOTEC) and winner of the inaugural EURAXESS Science Slam ASEAN 2013. Dr Frantz has just been awarded a Franco-Thai Fellowship which will see her conduct research on a dengue vaccine at the Viral Genomic and Vaccination Unit of the Institut Pasteur in Paris, France.

Details on how to participate in the 2<sup>nd</sup> edition of the EURAXESS Science Slam ASEAN will be announced on our [website](#) shortly!

In order for us to continue improving our services and to tailor them better to your needs, you can still complete our very short survey (only 3 minutes): [Euraxess Links satisfaction survey](#).

Wishing you a great month ahead!

Your EURAXESS Links ASEAN team



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EURAXESS Links ASEAN Newsletter is a monthly electronic newsletter, edited by EURAXESS Links ASEAN, which provides information of specific interest to European researchers in ASEAN and international researchers who are interested in the European research landscape and conducting research in Europe or with European partners.

The information contained in this publication is intended for personal use only. It should not be taken in any way to reflect the views of the European Commission nor of the Delegations of the European Union.

Please email to [asean@euraxess.net](mailto:asean@euraxess.net) for any comments on this newsletter, contributions you would like to make, if you think any other colleagues would be interested in receiving this newsletter, or if you wish to unsubscribe.

Editor: Dr Susanne RENTZOW-VASU, EURAXESS Links ASEAN, Regional Representative



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# 1 EU Insight – Mobility in Higher Education and Research

The increasing mobility of students in tertiary education and researchers, is a key feature of the global science system. This issue of *EU Insight* will touch on recent mobility trends in tertiary education and explore the implications of the different aspects of mobility developed in one of the science policy briefs by the European Science Foundation's Member Organisation Forum 'European Alliance on Research Careers Development' entitled *New Concepts of Researcher Mobility – a comprehensive approach including combined/part-time positions*.

In 2011 the number of students in tertiary education enrolled outside their country of citizenship reached 4.3 million, which is more than double when compared to the year 2000 (see Figure 1).

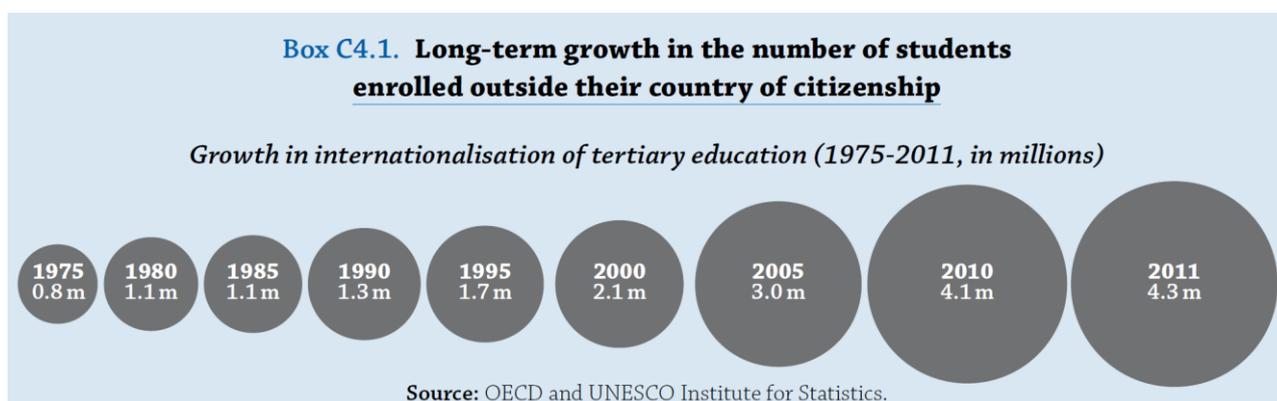


Figure 1: Growth in internationalisation of tertiary education [2]

Europe is the top destination for students at the tertiary level of education enrolled outside their country of origin, hosting 48% of these students, followed by North America, which hosts 21% of all international students.

The factors driving the general increase already in student mobility include the exploding demand for higher education worldwide, the perceived value of studying at prestigious post-secondary institutions abroad, specific policies that aim to foster student mobility within a geographic region and countries' and institutions' efforts to attract students from outside their boundaries. The top five source countries for internationally mobile students are China, India, South-Korea, Germany and France. Overall, 53% of the world's mobile students come from Asia.

Interestingly, 90% of the mobile students in Europe are European and 75% originate from EU member states. This data is not surprising, as the Bologna process has been strongly encouraging the bidirectional student mobility within Europe for the past 20 years.

It is widely accepted that international researcher mobility and cross-disciplinary research collaboration are indispensable for fruitful scientific research and also essential for the realization of the European Research Area. As the Science



The [European Science Foundation](#) is currently focusing on the responsible winding down of its traditional research instruments and the transfer of policy activities to [Science Europe](#), an association of European Research Funding Organisations (RFO) and Research Performing Organisations (RPO), based in Brussels. Science Europe promotes the collective interests of the RFOs and RPOs of Europe. It supports its [Member Organisations](#) in their efforts to foster European research. It will strengthen the [European Research Area \(ERA\)](#) through its direct engagement with key partners.

Policy Briefing *New Concepts of Researcher Mobility – a comprehensive approach including combined/part-time positions* explains,

***Mobility is not a goal in itself, but rather a means for international research collaboration across fields and sectors.***

At the same time brain drain from less scientifically attractive areas should be counteracted.

The paper introduces four different types of mobility:

*International mobility* which means physical mobility across countries and is hampered by the challenges in establishing smooth immigration and work permit procedures for incoming researchers, or the incompatibility of different systems for social benefits, pension rights, etc.

Two further aspects of mobility, *intersectoral* and *interdisciplinary mobility* refer to mobility across academia, industry or the public sector and mobility across different research fields, respectively. While both forms of mobility are widely encouraged, they can imply later disadvantages caused, i.e., by the limitation on research publications due to stricter IPR rules in industry or by individual and thus disciplinary review procedures.

A last form of mobility introduced in the report is *virtual mobility*, which encompasses virtual platforms, such as multidisciplinary network research centers. Such platforms facilitate the collaboration between excellent research groups worldwide without the need for physical mobility. Such flexible opportunities should be encouraged, stimulating the effective use of human and financial resources in research.

Mobility leads to the diversification of careers that will require new concepts when it comes to researcher positions or transnational institutional research collaboration. Examples for transnational institutional research collaboration include the existing European Molecular Laboratories, the Nordic Centres of Excellence or the first schemes for industrial PhD degrees.

One of the new concepts presented to address researcher mobility is based on a Harvard University/MIT scheme: the implementation of a 'Professor 2' combined/part-time position scheme. Here full professors could have a 20% position at another university or employees in industry have a 20% position in academia. Such schemes could be introduced as part of existing EU instruments, i.e. the Marie-Curie-Skłodowska-Actions or in combination with the proposed ERA Chairs programme. As stated in the Science Policy Brief „such combined part-time positions may also counteract brain drain by preserving the link to frontline research institutions for future collaboration.“

Sources

[1] [European Science Foundation](#)

[2] [Science Europe](#)

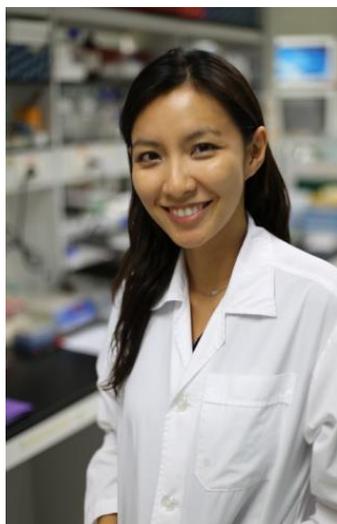


- [3] [European Science Foundation Science Policy Briefing: New Concepts of Researcher Mobility](#)
- [4] [OECD Education at a Glance 2013](#)
- [5] [University World News, 2 February 2014: Special Report on student mobility](#)





## 2 In Focus: EURAXESS Links ASEAN Science Slam 2013 Winner Receives Franco-Thai Fellowship



Dr Phanramphoei N. Frantz (“Jibby”), a researcher at BIOTEC ([www.biotec.or.th](http://www.biotec.or.th)) in Thailand, was recently granted a Junior Research Fellowship by the French Government to spend six months conducting research at the Institut Pasteur ([www.pasteur.fr](http://www.pasteur.fr)) in Paris.

Dr Jibby was the 2013 winner of the inaugural EURAXESS Links ASEAN Science Slam, an annual competition which offers young researchers from across ASEAN an opportunity to showcase their work as well as their communication and creative skills in front of members of the research community and the wider public. As the ASEAN winner, Dr Jibby travelled to Europe to participate in the EURAXESS Voice of the Researchers Conference, and it was on this trip that she cemented her relationship with the Institut Pasteur.

During her fellowship, Dr Jibby will be based at the Viral Genomic and Vaccination Unit of the Institut Pasteur where she will be working on the development of a vaccine for the dengue virus. Dengue is a mosquito-borne infection which is a major health problem across Thailand and Southeast Asia.



Submissions for the EURAXESS Science Slam 2014 will open in early summer. For more information on the EURAXESS Science Slam please visit: [http://ec.europa.eu/euraxess/index.cfm/links/events/asean/science\\_slam](http://ec.europa.eu/euraxess/index.cfm/links/events/asean/science_slam)

Dr Jibby's winning Science Slam submission can be seen here: <http://www.youtube.com/watch?v=Ai-6Wrurc3c>



### 3 Marie Skłodowska-Curie Actions – Research Fellowships



[Marie Skłodowska-Curie Actions \(MSCAs\)](#) are European research grants available to researchers regardless of their nationality or field of research. In addition to generous research funding scientists have the possibility to gain experience abroad and in the private sector, and to complete their training with competences or disciplines useful for their careers.

Amongst the growing alumni network of this prestigious fellowship scheme are highly talented young researchers from ASEAN – 71 fellows from Vietnam, 36 from Thailand, 32 from Indonesia, 24 Philippines, 21 from Malaysia, 17 from Singapore, two from Myanmar and one from Brunei.

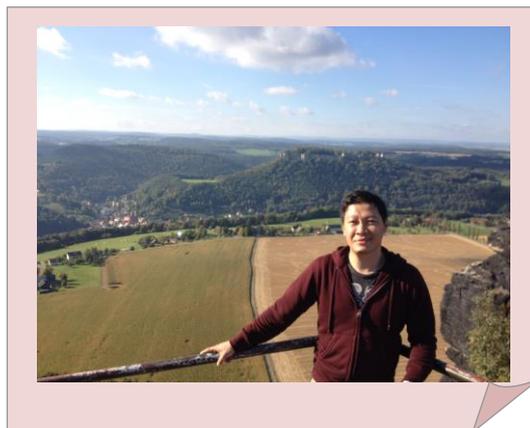
Each month, EURAXESS Links ASEAN catches up with one of the Marie Curie Fellows. Sharing his story with us this month is Dr CJ Chan, a researcher at Cambridge University in the UK. Dr Chan was awarded a Marie Curie Fellowship to participate in the Initial Training Network TRANSPOL. [Initial Training Networks](#) – ITNs – offer early-stage researchers the opportunity conduct doctoral research or initial post-doctoral research.

#### **Dr Chan, please tell us a little about you.**

*I did my undergraduate studies and M.Phil. in physics at the University of Cambridge, and worked as a research assistant in UC Santa Barbara in the U.S. for two years. I then made a career switch to work in the corporate industry for three years, where I was heading a publishing house in Malaysia. I then decided to return to the academia since I realized that I still have the passion to pursue teaching and research. I therefore applied for a Ph.D. in biological physics in Cambridge and was offered the prestigious Marie Curie Fellowship.*

#### **What is your research background?**

*I was trained as a physicist in Cambridge and the U.S. in the past. My previous research focused mainly on the studies of soft condensed matter which involved extensive theoretical modeling of the dynamics of nematic liquid crystals and polymer systems in flow. More recently, my research focus has shifted towards experimental biophysics, specifically in the field of cell mechanics, where I try to understand how cells respond to mechanical cues in their microenvironment, using a number of novel biophysical tools. A central theme of my research involves the building of a micro-fluidic optical stretcher which traps and stretches biological cells. This technique offers a non-invasive approach to extract cell mechanical properties on a single-cell level. My research also extends into studying the detailed mechanisms of*





**TRANSPOL** is an interdisciplinary initial stage training network (ITN) at the interface of cell/molecular biology and membrane physics. This ITN aims specifically towards the molecular understanding of the functional relationship between intracellular trafficking and cellular signalling and their relevance to human diseases. A complete understanding of the complex picture of endocytosis, intracellular trafficking, and signalling that takes place at the membrane/cytosol interface involves major mechanical and dynamical aspects of membrane physics and thus requires combined expertise from the fields of cell/molecular biology and physics. This ITN combines exactly this expertise in one joint training program for young researchers. Within this ITN we have assembled a unique multidisciplinary consortium bringing together top scientists from the field of cell biology, biochemistry, physics, and specialists from the private sector.

*mechanical signal transduction from the cell membrane to the nucleus, which has important implications in genome regulation and cellular differentiation.*

**Please tell us briefly about the research project you are doing as a Marie Curie (MC) Fellow?**

*My main research focuses on the development and application of optical stretcher to investigate the impact of intracellular signaling on the mechanical properties of cells. This involves a close collaboration with another MC Fellow where we study the specific effects of a cell polarity protein leading to cell softening or stiffening which may directly impact its migration behavior. This has important implications in cancer metastasis. Lately, I have also been looking into nuclear mechanotransduction.*

**Why did you choose to apply for this particular project?**

*questions. As such, I was attracted by the highly interdisciplinary aspect of the project which offers me a unique opportunity to collaborate with established scientists from various backgrounds. Furthermore, my current supervisor is a leading scientist in the field of cell mechanics, and I was very much looking forward to work with him.*

**So far, what are the most significant benefits you derive as a MC Fellow?**

*The generous research funding provided by the fellowship allows me to attend various workshops and conferences, thereby helping me to broaden my knowledge in the field of cell biology and acquire various techniques in the latest biophysical tools which could be relevant in my current and future research. I must say I am privileged to be a part of a highly interactive group of MC Fellows, which provides a unique platform for us to share our knowledge and resources amongst ourselves. The training stations are highly beneficial in fostering interdisciplinary research. For instance, another Fellow and I immediately embarked on a new collaboration, following some preliminary work conducted at my institute. Overall, it has been a very enriching experience so far.*

**What are your plans for the future?**

*Following my Ph.D., I would love to advance my career by taking up a post-doc position in a leading research institution to gain further scientific credentials and leadership skills. I hope to eventually secure an academic tenure in a university and devote myself to research and teaching. To me, guiding students and sharing scientific knowledge is a highly fulfilling experience, since I myself have benefited so much from several highly motivating supervisors in the past.*

**How did you experience your move to Europe? Did you encounter any difficulties? What would be your advice for your peers?**

*I didn't encounter many difficulties when I moved to UK. I was probably fortunate in this aspect since I was previously educated in Cambridge, and had since adapted to the British culture. My advice for future scholars is to be proactive in engaging with your supervisors so that you can get the most out of your Ph.D. experience. When it comes to scientific collaborations, be ready to embrace the multicultural and interdisciplinary aspects of the projects.*

**In retrospect, which elements do you think were decisive in you being successful in your application?**



**“You won’t regret it, as it is one of the most prestigious fellowships in Europe.”**

**Dr CJ Chan**

*While having some publications in the past and good references from previous supervisors certainly help, having a clear research proposal that is well aligned with the research aim of Marie Curie ITN network probably strengthened my application status. I was quite proactive in contacting my current supervisor to express my strong wish to engage in his research project which probably made my application stand out as well.*

**Do you have any advice for other young researchers who are considering applying for a MCF?**

*You won’t regret it, as it is one of the most prestigious fellowships in Europe. Specifically, I would advise potential candidates to be as precise as they can about their research objectives in their application. Contact the potential supervisor to have a better understanding of the project you may engage in. Even better, consider visiting their labs to check out the research environment and take the opportunity to talk to other members (postdocs, PhD students etc.) of the lab.*

**Thank you Dr Chan!**

**For information on forthcoming open calls please visit the website of the [Marie Skłodowska-Curie Actions \(MSCAs\)](#)**

## 4 News & Developments

### 4.1 European Union

#### 4.1.1 Nearly 5 million jobs in European app sector by 2018, says EU report

The EU's app sector has gone from zero to digital superhero in less than five years. By 2018 it could employ 4.8 million people and contribute €63 billion to the EU economy according to a report presented in Brussels. The study, carried out by GIGAOM and NUI Galway for the European Commission, shows that Europe's app developers are up to the challenge of taking the global lead. Currently, EU and North American developers generate the same levels (42% each) of app revenues in crucial EU and US markets. Although the future is bright, developers have raised concerns about the skills gap, connectivity and fragmentation which could put the app boom at risk.

Today the app economy employs 1 million developers, and 800,000 people in marketing & support posts. This could rise to 2.7 million developers + 2.1 million support staff by 2018. EU buyers and advertisers spent €6.1 billion on apps in 2013, 30% of total global app spending, growing to €18.7 billion in 2018. Consumer spending combined with advertising and contract work could lead to €63 billion annual revenue for the app sector within five years.

**Source: [European Commission](#)**



#### 4.1.2 New connected car standards put Europe into top gear

Imagine that you are driving along, and a message is projected on your windscreen, warning you of an accident that has just happened around the next corner. This could soon be a reality thanks to new European standards. Connected cars, able to communicate with each other and with road infrastructures, are expected to appear on European roads in 2015.

Two European standards organisations, ETSI and CEN, confirmed that the basic set of standards requested by the European Commission to make connected cars a reality has been fully completed. The norms which they have adopted ensure that vehicles made by different manufacturers can communicate with each other. The EU invested more than €180 million in research projects on cooperative transport systems, whose results helped develop the standards. This will put the European car industry, which provides 13 million jobs, out in front in the race to develop the next generation of cars.

Intelligent transport has been a priority of the EU research and innovation programmes. EU-funded research projects have played a major role in the development of the standards, with more than €180 million invested in some 40 different projects working on cooperative systems since 2002. These projects provided their results to ETSI and CEN/ISO, which in turn used them to develop the standards. The EU also funded different operational tests and pilots, as well as standardisation project teams.

Work on the Release 2 standardisation package has already begun to fine tune existing standards and deal with more complex use cases. European organisations cooperate closely with American and Japanese organisations to ensure that the systems are compatible across the globe.

**Source:** [European Commission](#)

#### 4.1.3 Bridging the gap to the market: ERC funds 67 innovative projects

The European Research Council (ERC) has announced the winners of the latest competition for its top-up funding, 'Proof of Concept'. A total of 67 researchers, who already hold ERC grants, have received up to €150,000 each to bring their pioneering 'blue sky' research closer to the market. The projects cover everything from an exploration of the molecular foundations of psychiatric disorders to technological innovations that could help rescue skiers caught in avalanches or measure extreme waves. Fundamental, 'blue sky' science – the type of research that the ERC supports – is focused on advancing knowledge, but it can sometimes generate unexpected applications. With its 'Proof of Concept' scheme, the ERC enables the full exploitation of the excellent ideas it funds. This top – up funding can cover activities aimed at commercial and societal applications, such as establishing intellectual property rights, investigating commercial and business opportunities or technical validation.

**Source:** [ERC](#)



## 4.2 ASEAN

### 4.2.1 France Awards 14 Junior Research Fellowships to Young Thai Researchers



On January 23, 2014 the Evaluation Committee of the Franco-Thai Junior Research Fellowship Program convened at the French Embassy in Bangkok to select this year's Junior Research Fellowship Awardees. The committee includes representatives of a number of French research organizations (CIRAD, CNRS, and IRD) as well as Thailand's Office of the Commission of Higher Education, the National Science and Technology Development Agency, Thailand Research Fund, and officials from several partner universities. H.E. Mr. Thierry Viteau, France's Ambassador to Thailand hosted a working lunch for the committee at the French Embassy.

The [Junior Research Fellowship Program](#) supports Thai post doctorates who graduated in 2009 or later to spend between two-six months conducting research at a French laboratory. All fields of research are supported, and proposals are evaluated on the basis of scientific excellence. The fellowship consists of a round trip ticket from Thailand to France, a monthly living allowance and social insurance coverage while staying in France.

### 4.2.2 Singapore's A\*STAR and AIRBUS to collaborate on research in aviation

The Agency for Science, Technology and Research (A\*STAR) in Singapore inked a Memorandum of Understanding (MoU) with leading aerospace company Airbus at the 3<sup>rd</sup> Aerospace Technology Leadership Forum. The MoU will facilitate collaboration in areas of mutual interest, including data analytics. A\*STAR's extensive capabilities in data analytics solutions can be used for a wide array of applications, including more accurate prediction of flight arrival times to reduce passenger delays, which will translate to significant savings for the aviation industry.

The MoU was signed at the A\*STAR Aerospace Technology Leadership forum, a biennial event that serves as a platform for aviation industry players to exchange innovative ideas for the next leap in aviation, address industry challenges, and discuss growth and opportunities in Asia. The forum this year focused on overcoming technological impediments for further advancement in aviation, and discussed the balance between adopting new technology and management of risks.

**Source:** [A\\*STAR](#)

### 4.2.3 EU-ASEAN Aviation Summit proposes "open skies" agreement

In a Joint Declaration adopted in Singapore at the end of a successful two-day EU-ASEAN Aviation Summit, the European Commission and the Association of



Southeast Asian Nations (ASEAN) proposed to take aviation cooperation to a new level by negotiating a comprehensive air transport agreement between the EU and ASEAN.

The Summit brought together some 300 political and business leaders including a number of EU and ASEAN Transport Ministers. The Summit discussed the rich opportunities in the EU and ASEAN aviation markets and the benefits which both the EU and ASEAN stand to achieve from greater market access and integration in air services and the aviation industry, cooperation to enhance the efficiency of air traffic management and harmonization of safety and security standards, amongst others. In particular, the Summit noted these and more potential benefits that the peoples and companies of both regions could enjoy from a comprehensive air transport agreement between the EU and ASEAN.

**Source:** [European Commission](#)

#### 4.2.4 Thailand Research Fund Supports Formation of International Research Networks



The Thailand Research Fund has launched the International Research Network (IRN) program to support mobility and collaboration among Thai and international scientists. Each Thailand Research Fund-International Research Network (TRF-IRN) is comprised of a group of Thai researches working in collaboration with a group of overseas researchers on a targeted research program. Each network will be awarded 4-6 Ph.D. fellowships, 2-3 post-doctoral fellowships and research grants for a period of 3 years in each phase.

TRF-IRN is aiming to build research partnerships in the following areas: climate change, water, land and environment; energy and alternative energy; food security and food safety, health and demographic transition; and logistics and supply chain. The most recent TRF-IRN call saw the submission of 30 international research network proposals.

The IRN program builds on the success of Thailand Research Fund's Royal Golden Jubilee Ph.D. program which, since its launch in 1996, has involved more than 1,400 Thai advisors and more than 2,300 international co-advisors in 43 different countries.

For more information on TRF-IRN please contact:

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## 4.2.5 Singapore: Study of loss of immunity in elders

A three-year partnership between the Singapore Immunology Network (SIgN), National University of Singapore (NUS), National University Hospital (NUH) and Sanofi Pasteur has been signed to embark on a Phase IV clinical trial to understand age-related loss of immunity and the consequent reduced responsiveness to vaccination in the elderly.

Declining birth rates coupled with higher life expectancies have raised the percentage of elderly citizens in Singapore significantly over the last 10 years and the number is expected to increase to 900,000 by 2030. An ageing population will mean greater demand for healthcare facilities to keep the elderly healthy.

The study therefore aims to meet this growing need by finding new strategies and improving existing ones to help sustain immunity in the elderly. The research team will examine the compromised immunity associated with ageing and identify predictive markers of the condition.

The collaborative study seeks to improve the understanding of impaired immune responsiveness by identifying the immune challenges in individuals. More specifically, the researchers hope to highlight the defective immune functions in Asian elderly. The trial will utilize a vaccine by Sanofi Pasteur and results are expected to be generated over the next two years.

Source: [Asian Scientist](#)

# 5 Grants & Fellowships

## 5.1 National EURAXESS portals

The latest information on open calls for national grants and fellowships in the **40 member countries of the EURAXESS network** can be accessed on the respective national EURAXESS portal.

[Austria](#), [Belgium](#), [Bosnia-Herzegovina](#), [Bulgaria](#), [Croatia](#), [Cyprus](#), [Czech Republic](#), [Denmark](#), [Estonia](#), Faroe Islands, [Finland](#), [France](#), [FYRoMacedonia](#), [Germany](#), [Greece](#), [Hungary](#), [Iceland](#), [Ireland](#), [Israel](#), [Italy](#), [Latvia](#), [Lithuania](#), [Luxembourg](#), [Malta](#), Moldova, [Montenegro](#), [Netherlands](#), [Norway](#), [Poland](#), [Portugal](#), [Romania](#), [Serbia](#), [Slovakia](#), [Slovenia](#), [Spain](#), [Sweden](#), [Switzerland](#), [Turkey](#), [UK](#).

Besides providing information on funding opportunities for incoming international and European researchers, staff at the EURAXESS service centres offer individual assistance on all aspects of researcher mobility.





## 5.2 Open Calls in the 7th Framework Programme (FP7)

Below is a list of all currently open calls in each strand of FP7. You can also find a good overview of upcoming calls at [EURESEARCH](#), the platform on European research by the Swiss National Science Foundation (SNSF).

### 5.2.1 CAPACITIES

1 open call remains in the Capacities strand of FP7.

|   | Call Identifier                      | Call Title         | Publication Date | Deadline   |
|---|--------------------------------------|--------------------|------------------|------------|
| 1 | <a href="#">FP7-CDRP-2013-EUR-CD</a> | Career Development | 2013-11-14       | 2014-04-15 |

Further information: [CAPACITIES](#)

## 5.3 H2020

The European Commission has launched the first calls under Horizon 2020. Calls in the 2014 budget focus on the three key pillars of Horizon 2020:

- **Excellent Science:** Around €3 billion, including €1.7 billion for grants from the European Research Council for top scientists, and €800 million for Marie Skłodowska-Curie fellowships for younger researchers.
- **Industrial Leadership:** €1.8 billion to support Europe's industrial leadership in areas like ICT, nanotechnologies, advanced manufacturing, robotics, biotechnologies and space.
- **Societal Challenges:** €2.8 billion for innovative projects addressing Horizon 2020's seven societal challenges, broadly: health; agriculture, maritime and bioeconomy; energy; transport; climate action, environment, resource efficiency and raw materials; reflective societies; and security.

To find out more about EU funding opportunities for your research or innovation project please visit the [European Commission's Participant Portal](#) where all calls will be published.

International researchers are also invited to join the [database of independent experts for European research and innovation](#). Distinguished specialists are strongly encouraged to join the database of independent experts, through which they can participate in the evaluation of project proposals and monitoring of actions, submitted under Horizon 2020.



## 5.4 AUSTRIA: Ernst Mach Grant - 2014 Call



Call open to postgraduates, PhDs and postdocs from all over the world to conduct studies in Austria for one to 9 months in the following fields:

- Natural Sciences;
- Technical Sciences
- Medicine
- Agriculture and Forestry, Veterinary Medicine
- Social Sciences, Law and Economics
- Humanities and Theology
- Arts

Eligible for application are:

- postgraduates pursuing a doctoral/PhD programme outside Austria;
- postgraduates and post-docs wishing to pursue research in Austria with a view to an academic career and who completed their studies (at a university outside Austria) after September 30 th, 2012;
- post-docs who are working as lecturers at a university outside Austria.

Applicants must not have studied/pursued research/pursued academic work in Austria in the last six months before taking up the grant. Maximum age: 35 years.

**Deadline to apply for the academic year 2014-2015 is 1 March 2014.**

Further details: [Ernst Mach](#)

## 5.5 UK: Newton International Fellowship



The scheme provides the opportunity for the best early stage post-doctoral researchers from all over the world to work at UK research institutions for a period of two years.

The scheme covers the broad range of the natural and social sciences and the



humanities. The scheme is jointly run by The British Academy and the Royal Society.

The applicant must:

- have a PhD, or will have a PhD by the time the funding starts
- have no more than 7 years of active full time postdoctoral experience at the time of application (discounting career breaks, but including teaching experience and/or time spent in industry)
- be working outside the UK
- not hold UK citizenship
- be competent in oral and written English
- have a clearly defined and mutually-beneficial research proposal agreed with a UK host scientist

**Deadline for application: 10 March 2014**

**Details: [NEWTON](#)**



## 5.6 Germany: Leibniz-DAAD Research Fellowships 2014

12 month fellowships open to international postdoctoral researchers, who have recently completed their doctoral studies, in these fields: Humanities and Educational Research; Economics, Social Sciences and Spatial Research, Life Sciences; Mathematics, Natural Sciences and Engineering; Environmental Sciences. Opportunity to conduct research at the Leibniz Institute of their choice in Germany.

Funding includes: a monthly installment of €2,000; health, accident and personal liability insurance in Germany; a research allowance of €460 per year; a two-month German language course in Germany (if desired).

**Application deadline is 7 March, 2014.**

**Details:** [DAAD-Leibniz](#)

## 5.7 Germany: Research Grants for PhD Students and Postdocs – at the Center of Excellence Cognitive Interaction Technology (CITEC)



Center of Excellence  
Cognitive Interaction Technology



CITEC connects research groups in computer science and robotics with researchers and groups from biology, linguistics, mathematics, physics, psychology and sport science. Individual groups cooperate in a highly interdisciplinary research institute established through the German Excellence initiative and funded since 2007.

Up to 16 research grants (3 years duration, tax free research fellowship) for highly qualified students aiming to obtain a Ph.D. in one of the above fields and thematic areas are offered by the Graduate School Cognitive Interaction Technology. Grants are also available as shorter Postdoctoral research positions (2 years work contract or tax free research fellowship) for suitably qualified candidates.

Eligible candidates must hold an excellent academic degree (MSc/Diploma/PhD) in one of the disciplines listed above (or related).

**Deadline: 31 March 2014**

**Details:** [CITEC](#)



## 5.8 Human Frontier Science Program

Research grants are provided for teams of scientists from different countries who wish to combine their expertise in innovative approaches to questions that could not be answered by individual laboratories.

Emphasis is placed on novel collaborations that bring together scientists preferably from different disciplines (e.g. from chemistry, physics, computer science, engineering) to focus on problems in the life sciences.

The research teams must be international. The principal applicant must be from one of the eligible countries (see here: <http://www.hfsp.org/funding/eligible-countries>). However, other participating scientists and laboratories may be situated anywhere in the world.

Applicants must submit a letter of intent to apply for a research grant via the HFSP web site with a deadline at the end of March, and after review, selected teams will be invited to submit a full application.

Two types of Research Grant are available: Young Investigators' Grants and Program Grants

**Deadline: March 2014**

**Details: [Human Frontier](#)**

## 5.9 Singapore: NRF Fellowship Class of 2015

The Singapore NRF Fellowship is a globally competitive programme which seeks to provide opportunities for early career researchers from all over the world to lead high impact, independent research in Singapore.

The Singapore NRF Fellowship offers a five-year research grant of up to S\$3 million (approximately USD 2.4 million) and complete independence to pursue ground-breaking research in host institution of choice.

**Details: [NRF](#)**

## 5.10 IIAS – ISEAS Postdoctoral Fellowship

Applications are invited for International Institute for Asian Studies—Institute of Southeast Asian Studies (IIAS-ISEAS) Postdoctoral Fellowships for commencement after September 2014. These fellowships are part of the collaboration between IIAS, Netherlands and ISEAS, Singapore. The IIAS-ISEAS Joint Fellowship position is intended for outstanding recent



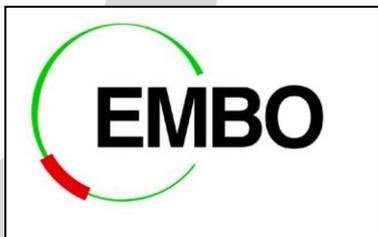


doctoral graduates (within 6 years of receiving Ph.D. degree) from around the world, to work on an important piece of research in the humanities and the social sciences.

The theme for 2013-2014 deals with Critical Heritage Studies (CHS) or modes of cultural heritage production in the Asian context. The fellowship will be tenable for a maximum period of 12 months, with a maximum of 6 months attached to the IIAS office in Leiden and a maximum of 6 months at the ISEAS office in Singapore. Fieldwork can be done in Europe and Asia.

**Application deadline: 15 June 2014**

Details [IIAS-ISEAS](#)



### 5.11 EMBO Funding for Courses & Workshops

Biannual selection by a committee of members of the European Molecular Biology Organization (EMBO) ensures the consistent high quality and novelty of EMBO-funded courses, workshops and conferences. The commitment of the scientific organizers guarantees the long-term success of the programme to inform and train researchers at all career stages. With over 80 meetings attracting more than 8,000 participants every year, EMBO offers the largest number of scientific training events in Europe. Funding is available for conference series, workshops, practical courses and symposia as well as plenary lectures. EMBO assists organizers with websites, posters and registration.

Further information: [EMBO Courses & Workshops](#)



## 6 Jobs

There are currently **7632** research jobs and fellowship programmes (all over Europe and partner countries and in all disciplines) accessible via the [EURAXESS Jobs database](#)

BELGIUM (Leuven): Postdoctoral Researcher focusing on Atomic Layer Deposition of Magnetic Tunnel Junctions, Imec

[Details](#)

CHINA (Nanjing): Postdoctoral Research Fellow at the Glycomics and Glycan Bioengineering Research Center Nanjing

[Details](#)

DENMARK (Copenhagen): Assistant Professorship in Finance, Copenhagen Business School

[Details](#)

FINLAND (Tampere): Tenure Track Position (Biomaterials), Tampere University of Technology

[Details](#)

SINGAPORE: Professor / Associate Professor / Assistant Professor (International Trade), Lee Kuan Yew School of Public Policy

[Details](#)

UK (Liverpool), 3-year PhD studentship, University of Liverpool, Institute of Integrative Biology

[Details](#)



## 7 Events

### 7.1 Belgium: 2<sup>nd</sup> Innovation Convention, 10 & 11 March 2014



The Innovation Convention is an essential part of the [Innovation Union flagship initiative](#), the European Union strategy which aims to create an innovation-friendly environment that makes it easier for great ideas to be turned into products and services that will bring our economy growth and jobs.

The Convention provides a platform to debate and inform policies that will contribute towards the building of a research and innovation eco-system in Europe that can support this objective. 2000 participants are expected to attend.

#### [Programme](#)

Details: [Innovation](#)

### 7.2 France: ICS - Innovation Connecting Show: Connecting Innovation and Business, 16 – 18 September 2014

The Innovation **C**onnecting **S**how will be held from 16 to 18 September 2014 at the Toulouse Exhibition Park, under the distinguished patronage of the French President, Mr François Hollande.

Focused on **the presentation and the interconnection of the key generic technologies, the uses and the needs**, this major international event of innovation and competitiveness will, thanks to its large cross, associate and link the technological innovations and the markets. These ones have to be able to adapt, integrate and create new applications specific to their economic and societal sector.

To this end, the **Innovation Connecting Show** will bring together more than **700 exhibitors**, project leaders, actors of innovation in its broadest sense. They will value their demonstrators, prototypes, processes and services from their **R&D department**.

**20,000 professional visitors** are expected: including national and international, public and private investors, academics, representatives from traditional sectors searching for innovation and the national, international and professional press.

About **100 conferences**, round table discussions and exhibitor workshops will be driven by a high-level scientific committee. Transversal innovation specialists





from all sectors of the economy will be considering ways to influence future innovations, and will be treated the following themes: future factories, the Key Enabling Technologies, future Biology and synthetic Biology, Smart Cities, Internet of the future, and communicating objects.

An “**Innovation Award**” will reward the most innovative exhibitors and project leaders. These ones are instigators of growth, creators of wealth and builders of future employments.

With the help of a broad international communication campaign and the High patronage of the French Presidency, the French representation of the European Commission, the Ministry of Foreign Affairs, the Ministry for Industrial Renewal, the Ministry for Craft Industries and Trades, Commerce and Tourism, the Ministry for Higher Education and Research, and the Ministry Delegate attached to the Ministry for Industrial Renewal, with the responsibility for SME's, Innovation and the Digital Economy, the ICS will make of Toulouse the world's innovation capital in September 2014

**Details:** [ICS](#)

### 7.3 Germany: ISPE Europe Annual Conference 2014 - Driving Effectiveness in Pharmaceutical Operations within the New Quality Culture, 28 – 30 April 2014

ISPE Europe Annual Conference 2014 - Driving Effectiveness in Pharmaceutical Operations within the New Quality Culture will bring together pharmaceutical, regulatory and technology experts from around the world.

This two-and-half-day event will consist of an executive forum, keynote sessions and three different tracks to assess how the senior management and operational challenges, quality system effectiveness and regulatory changes can be brought into a new pharmaceutical paradigm to exploit opportunities like Quality-by-Design, continuous manufacturing, science- and risk-based regulations in the daily life.

**Further [details](#)**

### 7.4 Greece: 5<sup>th</sup> INCO conference “Addressing Future Challenges”, 2 – 4 June 2014

INCONTACT 2020, is organizing the “5th INCO Conference - Addressing Future Challenges”, in 2-4 June 2014 in Athens, Greece. The Conference is organized under the auspices of DG Research of the European Commission and the Greek General Secretariat for Research and Technology. This year's event is dedicated to the role of integrated research in addressing global challenges.

The annual INCO Conference series targets primarily European and Third Country International Cooperation (INCO) Experts and FP7/Horizon 2020 national Contact Points (NCPs), providing an excellent forum for a plethora of





activities including the dissemination of information by INCO EC staff, training activities for NCPs and International Partner Countries Contact Points, presentations on specific international cooperation projects and presentations on the research landscape in specific countries. Discussions will address critical issues such as the future of research in relation to the global challenges lying ahead in order to acquire insight for future coordinated actions. Invited speakers from worldwide organizations funding research will share their experiences, best practices and obstacles.

The conference will also host the annual meeting of the national INCO experts as well as a special training session on international research collaboration under Horizon 2020.

The conference seeks to:

- set the framework for international cooperation in H2020,
- collect the experiences of international organizations funding global research,
- highlight the link between research and societal challenges,
- underline best practices, and
- provide insight to the future of interconnected research.

Details: [INCO](#)

## 7.5 Japan: The 11th International Congress on Noise as a Public Health Problem, 1 – 5 June 2014

ICBEN 2014, the 11th International Congress on Noise as a Public Health Problem, will be held in Nara, Japan from 2014 June 1 to June 5. The Congress is co-organized by the Institute of Noise Control Engineering of Japan (INCE/J) and the Acoustical Society of Japan (ASJ) under the auspices of the International Commission on the Biological Effects of Noise (ICBEN). The organizers and the Organizing Committee of the Congress extend a warm welcome to all prospective participants worldwide and invite all to join us in Nara to discuss the latest advancements in biological effects of noise and noise policies.

The officers and team chairs of ICBEN will organize plenary and parallel sessions on “Noise-induced hearing loss (Team 1),” “Noise and communication (Team 2),” “Non-auditory effects of noise (Team 3),” “Influence of noise on performance and behavior (Team 4),” “Effects of noise on sleep (Team 5),” “Community response to noise (Team 6),” “Noise and animals (Team 7),” “Interactions with other agents and contextual factors (Team 8)” and “Policy and economics (Team 9).”

Further [details](#)



## 7.6 Malaysia: The International Conference on Artificial Intelligence and Pattern Recognition (AIPR2014), 17 – 19 November 2014

The Conference on Artificial Intelligence and Pattern Recognition is an international, non-profit conference devoted to increase public understanding of artificial intelligence (AI) and pattern recognition. Some of the research topics includes data mining, emerging technologies and intelligent information systems.

**More [details](#)**

## 7.7 Malaysia: The International Conference on Data Mining, Internet Computing, and Big Data (BigData2014), 17 – 19 November 2014

The event is part of The Third World Congress on Computing and Information Technology (WCIT). Emerging information technologies offer new ways for: improving methods, enabling automation and productive decision-making mechanisms and altering current ways of work. Research has tended to address a direct causal relationship between the emerging and potential information technologies and the future of humanity.

**Further [details](#)**

## 7.8 Portugal: Aircraft Fuel Systems – future challenges and innovative solutions, 15 May 2014

The FP7 project SAFUEL (The Safer Fuel System) is organising a public forum to present and discuss challenges and innovative solutions for future aircraft fuel systems.

The event, entitled “Aircraft Fuel Systems: Future challenges and innovative solutions”, is hosted by SAFUEL partner Instituto Superior Técnico (IST) in Lisbon, Portugal on the 15th May 2014. Venue is the IST congress centre in central Lisbon. Speakers from both industry and academics will present the latest progress of the research performed by the SAFUEL partners, in the domains of optical gauging, oxygen sensing, water detection, icing and innovations for future fuel tank technologies.

**Further [details](#)**



## 7.9 Singapore: International Lipid Symposium 2014, 18 – 21 March 2014

The Singapore Lipid Symposium (biennial, since 2006) has rapidly evolved into a key event to keep up to date for novel developments in lipidomics in Asia Pacific. Based on past experience, we are expecting participation of approximately 150-200 from around the world and representation from a wide range of areas in the life sciences across academia and industry. The official launch of a new network dedicated to deciphering lipidomics variations will be a major first highlight, followed by community building workshops and the main symposium session.

Further [details](#)

## 7.10 Thailand: The Fourth International Conference on Digital Information and Communication Technology and its Applications (DICTAP2014), 6 – 8 May 2014

The Fourth DICTAP2014 is technically co-sponsored by IEEE Thailand section. All registered papers will be submitted to IEEE for potential inclusion to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. The conference will be held at University of the Thai Chamber of Commerce, Bangkok, Thailand.

Further [details](#)

## 7.11 UK: Smart to Future Cities 2014, 29 – 30 April 2014

In 2014, Smart to Future Cities will be looking at the move of Smart Cities into the mainstream as we see governments commit finance and policy to smart city development, deployments of smart city protocols and operating platforms and acceptance of smart technologies as the norm in transport, energy, development, assisted living and security in cities. Over 80 international case studies from government, energy, healthcare, transport, retail and building control will define the working business models which are creating future Cities successes for citizens and enterprises alike; fully integrated, strategically-designed development programs with measurable results.

Further [details](#)



For more information on research events across Europe and across all disciplines please visit the European Commission managed page "[What's New in European Research](#)"

## 8 Resources

### Latest Calls

Here you can find the latest calls on the newly set up [Research Participant Portal](#).

### International Cooperation Activities

Access the [portal of the European Commission's International Cooperation Activities](#) here.

### Other Research Career Sites

The Chronicle of Higher Education Careers Service: <http://chronicle.com/jobs/>

Find A Postdoc: <http://www.findapostdoc.com/>

Find Scholarships in Europe: <http://www.scholarshipportal.eu/>

Find PhDs in Europe: <http://www.phdportal.eu/>

Academic Jobs EU: <http://www.academicjobseu.com/>

Euro Science Jobs: <http://www.eurosciencejobs.com/>

The European Job Mobility Portal: <http://ec.europa.eu/eures/home.jsp?lang=en>

EMBO excellence in life sciences: <http://www.embo.org>

EuroBrussels: <http://www.eurobrussels.com/>

Jobs at ITER: <http://www.iter.org/jobs>

Nature.jobs: <http://www.nature.com/naturejobs/index.html>

Jobs.ac.uk: [www.jobs.ac.uk](http://www.jobs.ac.uk)

Research Jobs in Germany: [Research-in-Germany.de](http://www.research-in-germany.de)

[Scholarship Database of the German Academic Exchange Service \(DAAD\)](#)

Research Jobs in the Netherlands: <http://www.academictransfer.org/>

Brainpower Austria: <http://www.brainpower-austria.at/>