

2015
September
Issue 65



euraxess
RESEARCHERS IN MOTION

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EURAXESS LINKS CHINA

Dear colleagues,

This month's [EU Insight](#) concerns progress made regarding the set-up of the EU's new Scientific Advice Mechanism.

This month, you can read a "[Meet the Researcher](#)" [interview](#) with the Vice-President of the European Research Council, Prof Núria Sebastián Gallés, with whom we spoke about her role as well as her tips as a holder of an ERC Advanced Grant.

Our [News](#) and [Grants and Fellowships](#) sections contain our latest round-up of the most important developments and opportunities. You can also find out more about news from EU, member states and countries associated to the EU, as well as their collaboration with China. Our [Press Review](#) summarizes the key developments in Chinese research and innovation and international collaboration.

We hope you do enjoy reading our newsletter, and always welcome your feedback!

EURAXESS Links China



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1 EU Insight – Progress in setting up the Commission’s new scientific advice mechanism

Officially endorsed in mid-May by European Commission (EC) President Jean-Claude Juncker, decisive progress was announced in mid-September regarding the set-up of the Commission’s new instrument for delivering high quality, timely, independent scientific advice across all policy areas—the **Scientific Advice Mechanism (SAM)**. (For more information on the mechanism, refer to the [June 2015 EU Insight here](#).) Coordination of SAM will be the responsibility of an independent high-level group of seven researchers appointed by the European Commission. With over 150 researchers nominated for this group, the set-up of the mechanism is right on track.

“[W]hen we come to make important policy decisions based on scientific evidence – we need independent scientific advice”. (Carlos Moedas, 15 September 2015.)

Speaking to European Parliament in mid-September, Commissioner Carlos Moedas, responsible for Science, Research and Innovation within the college of commissioners, stated that “[t]he role of the new High Level Group will be to make sure that the Commission has the best available scientific advice, wherever it comes from. It should guarantee the quality and independence of the advice provided. It should also help identify topics where independent advice is needed”.

To identify the high-level group members, two steps were taken before the summer: the appointment of an Identification Committee and the launch of an open consultation for nominations.¹ The Identification Committee, which is comprised of three members--Sir David Kind, professor Rianne Letschert and António Vitorino, began consultations in mid-July. With the closing of the consultations on 10 September, more than 150 researchers and scientists have been nominated in total. The next phase in the process will be the selection of potential high-level group members by the Identification Committee. These members will be proposed to the European Commission (by end of October). “It is my firm intention that the Group will be launched and have its first meeting before the end of the year”, stressed Moedas.

Sources and further information

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¹ Methodology used for the nominations is based on the approach followed by the European Research Council Scientific Council Identification Committee and can be accessed [here](#).



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Professor Núria Sebastián Gallés, Vice-President of the European Research Council (ERC) is a Professor in Psychology at the Department of Information and Communication Technologies, Universitat Pompeu Fabra in Barcelona. Prof Sebastián Gallés received her PhD in Experimental Psychology at the University of Barcelona in 1986. After further training at the Max Plank Institute and CNRS, she has worked in Barcelona, first at the University of Barcelona and the Universitat Pompeu Fabra.

2 Meet the Researcher: Núria Sebastián Gallés, Vice-President of the European Research Council

Can you introduce yourself and your research?

I am a professor of Psychology at the University of Pompeu Fabra in Barcelona. I am one of the three Vice Presidents of the European Research Council. I am also a holder of an ERC Advanced Grant, which I won before joining the ERC.

How is the ERC governed?

The ERC is governed by a body of 22 researchers. This is a very distinct feature of the ERC. We have a president (*note: read an interview with a current ERC President Jean-Pierre Bourguignon, May 2014, [here](#)*) and 21 members of the Scientific Council. Members of the Council, including me, are researchers who have their interests, their lives, and their research. We get no salary from the EU and we do this besides working in our host institutions. We don't represent our countries, but our research fields.

Prior to becoming a Scientific Council member, you succeeded in getting an ERC Advanced Grant. Can you share some tips? We heard you were rejected twice before a successful application.

The ERC likes risky projects. The first time I applied, my project was very risky. I went to the second phase of the application process and I almost made it, but the panel expressed some concerns that some parts of my project were too risky.



The second year I made the gross mistake of not writing properly my first phase proposal, and I didn't make it even to the second phase. The first evaluation is read by the panel members who have access to your CV and the resume of your application - altogether only five pages. This is a difficult document to write because you must convince them that they want to learn more about your project. At the same time, you must prove that you will be able to carry it out. You have few pages to describe why this is a groundbreaking idea worth investing the money, and this is tricky. I knew exactly what I wanted to do but I didn't specify my methods enough in those five pages. I didn't properly consider that the panel doesn't have access to the second phase documents at this stage. Only in my third year I succeeded with a project that was risky enough but not crazy, and my first phase application was self-contained. That's when I made it.



Professor Núria Sebastián Gallés' research focuses on the study of language learning, its perception, and issues related to language processing in general, with a special emphasis on bilingual populations. She is a pioneer in research into bilingual learning in newborns.

You can read more about her work [here](#).

It can be worth noting, though, that the ERC application rules have been fine-tuned over time and the Scientific Council is constantly monitoring demand to adapt them further. It is better to submit your application to an ERC call when you're really ready for it, as if you don't get through the selection procedure you may have to wait a year until you're allowed to apply again.

What is the percentage of female ERC grantees?

We wish it could be higher; in total around 20%. It varies around 30% for Starting Grants, 20% for Consolidator Grants, and 10% for Advanced Grants. The percentage of grantees is more or less the same as the percentage of applicants. Of course the question is why so few, but the ERC cannot solve this. This mirrors the overall situation for women scientists in these respective age groups.

However, we are very concerned about this, which is why the ERC Scientific Council set up a dedicated Working Group on Gender Balance. We constantly work on solving specific issues; one of them is gender balance. We have changed the format of the applications so that women are not in disadvantage.

How does the ERC encourage female applicants?

The women don't sell themselves hard enough, that's the reality. When someone says to a woman that she is successful, the typical female response is „Yes, because I have a fantastic crew/supervisor/university that provided the necessary support“. This is not a typical male response! Male researchers tend to say: „Yes, I am successful, because I am good“.

But the ERC funds only one application written by one leader. The ERC wants great researchers, especially the young ones, to establish themselves. And if someone says they have published their results because of their team, and someone else says they have results simply because they are very good and have fantastic ideas, that introduces a small - but crucial - bias. That's why



European Research Council supports top researchers from anywhere in the world. It offers three basic grants:

1. **Starting Grants** (2-7 after your PhD, up to € 1.5 million in funding for 5 years)
 2. **Consolidator Grants** (7-12 years after PhD, up to € 2 million for 5 years)
 3. **Advanced Grants** (more than 10 years of research after PhD up to € 2,5 million in funding for 5 years)
- + 4. **Proof of Concept** (for ERC grant holders to bring their research to the market)

every year the ERC keeps changing slightly the format of the application. This was a bit frustrating as an applicant, but later as a member of the panel, I saw that this had been to help candidates. We want to see how good applicants are, not how well they sell themselves.

Can you tell us the timeline about the new ERC-NSFC Implementing Arrangement that will allow NSFC grant holders undertake short-term visits in ERC teams in Europe?

The whole process will be kicked off very soon! The ERC will gather interests from Principal Investigators holding ERC grants in hosting China-based researchers. This list will be sent to the NSFC together with the description of their respective projects. The NSFC will then inform Chinese researchers with an active NSFC grant of the opportunity through a call. The collaboration is intended to enable Chinese researchers to undertake single and long-term (6-12 months) or multiple short-term research visits (up to 6 months altogether) with the ERC teams in Europe. The first Chinese will start coming in 2016.

Do you consider mobility important in a researcher's career?

It is crucial. Even going away for a little while fills your head with new ideas! It is very difficult to get an ERC grant if you have never moved from your home institution. Few people manage to break through without it, because you must see what people do elsewhere. There are other ways of approaching problems - new methods, other perspectives. It is just like fertilisation. Even in biology, inbreeding is just not good.

3 EURAXESS Links Activities

Save the date: EURAXESS Science Slam FINALS, 27 October, 3W Café (InnoWay in Zhongguancun)

The final of the EURAXESS Science Slam is going to take place on **Tuesday, 27 October 2015** at 6.30pm at [3W Café in Zhongguancun's Innovation Street](#). Five selected researchers will compete in front a live audience for a trip to Europe. Come and cheer for your favourite science slammer, and help decide who is going to be the winner! You can **save the date** now – we will send an invitation soon. All EURAXESS members, their friends and colleagues are welcome to join us.

The EURAXESS Science Slam is a part of a European week taking place between 26 and 30 October in Beijing.

Want to still compete in the Science Slam and show your research? The deadline is **8 October**. The Golden Week is a great opportunity to make a last-





minute submission: **The young and bright researchers out there can use the upcoming holidays to prepare their science pitch!**

www.scienceslamchina.com

Save the date: EURAXESS at 2015 Research and Innovation Tour in Shanghai, Hangzhou and Nanjing

EURAXESS will present at the next stop of the Research and Innovation Tour together with S&T representatives of EU Delegation, Czech Republic, Denmark, France, the Netherlands, Austria, Italy and Hungary, at the next leg of the **EU-China Research and Innovation Tour: Where Europe and China Connect**.

On **13 and 14 October**, two events will take place in **Shanghai** to present the abundance of opportunities from European Commission, member states of the EU and countries associated to Horizon 2020. EURAXESS will also be there, not to miss the opportunity either to meet researchers at **ShanghaiTech and Tongji University**.

On **15 October**, we will visit **Hangzhou**, and the last event of the week is going to take place in **Nanjing on 16 October**. More details will be available on the dedicated [R&I Tour website](#).

Save the date: 2015 Research and Innovation Tour in Beijing, 30 October 2015, Italian Embassy

On **Friday afternoon, 30 October 2015**, the „Research and Innovation Tour: Where Europe and China Connect“ will come to Beijing at last. The Embassy of the Republic of Italy has kindly agreed to host the event in their wonderful premises. **Save the date!** Details will follow. We will send an invitation shortly. The information will be available on the dedicated [R&I Tour website of the EU Delegation to China](#). **The event is a part of a European week taking place between 26 and 30 October in Beijing.**

The **keynote speech** outlining details on co-funding mechanism with MoST + announcing the new 2016/2017 Work Programmes will be given by **Mr. Robert-Jan Smits, Director General, DG Research and Innovation, European Commission**. In his presence, **12th China-EU Joint Steering Committee on S&T Cooperation will take place** in the morning of 30 October.

4 News & Developments

4.1 EU & Multilateral Cooperation



EU and China launch new Co-Funding Mechanism for research and innovation



The high level *Joint Conference in Promoting Excellence through Enhanced EU-China Researcher's Mobility and Cooperation*, that took place in Beijing 7 September, promoted a new Co-funding mechanism for research and innovation. The conference was attended by European Commissioner for Research, Science and Innovation Mr. Carlos Moedas who is visiting China accompanied by Mr. Jean Pierre Bourguignon, President of the European Research Council, and Ms. Nuria Sebastian Galles, Vice President of the European Research Council.

The co-funding mechanism is established by the Ministry of Science and Technology on the Chinese side and the European Commission Directorate General for Research and Innovation on the EU side with funding resources on each side. To implement the co-funding mechanism (CFM) highlighted in the [Joint Statement of the 17th EU-China Summit](#), building on Horizon 2020 on the EU side and relevant research and innovation programmes on the Chinese side, during the period from 2016 to 2020, the European Commission expects to continue spending over 100 million Euros per year for the benefit of Europe-based entities in joint projects under H2020 with Chinese participants. China will match corresponding resources and expects to spend 200 million RMB per year for the benefit of Chinese based entities that will participate in joint projects with European ones under Horizon 2020.

Also during the Joint Conference, the recent [agreement](#) between the European Research Council (ERC) and the National Natural Science Foundation of China (NSFC) was discussed. This agreement, signed in the margins of the 17th EU-China Summit on 29 June 2015 in Brussels, will stimulate excellence-based, bottom-up collaboration in frontier research by facilitating that high-calibre Chinese researchers come to Europe to join ERC-funded research teams.

Full article: [European Commission > Research & Innovation](#)

Commission invests EUR 70.5 million for innovative SMEs under Horizon 2020 SME Instrument

Fifty-nine SMEs from 16 countries have been selected in the latest round of Horizon 2020 SME Instrument Phase 2. For each project, the participants will receive up to EUR 2.5 million to finance innovation activities and the development of their business plans.

The companies will also be entitled to benefit from up to 12 days of business coaching.

The European Commission received 962 proposals under Phase 2 by the second cut-off date of 2015 on 17 June. 357 received an evaluation score above the application threshold and 44 or 12.3%, amounting to total project costs of EUR 93.7 million, have been selected for funding.



Full article: [European Commission > Horizon 2020](#)

Europe celebrates its top young scientists

The former Milan train factory, Fabbrica del Vapore, buzzed with intense activity over the last few days. One-hundred and sixty-nine young researchers aged between 14 and 20 presented their science projects to an international jury in the hope of picking up one of the prestigious prizes. The honours they were competing for were part of the 27th annual European Union Contest for Young Scientists (EUCYS), which concluded with the awards ceremony today (21 September 2015). Aside from the right to count themselves amongst the best young scientists in Europe, the winners also divided up a total of EUR 56 000 in prize money, as well as other coveted prizes such as science trips to Europe's top laboratories and the Intel International Science and Engineering Fair in the US.

Carlos Moedas, European Commissioner for Research, Innovation and Science said: "My warmest congratulations to the winning young scientists! It's good to see so much young talent will enrich science generations to come and help us find new answers to challenges of the future."

Full article: [European Commission > Research & Innovation](#)

Commission presents key research and innovation actions contributing to the Energy Union for all EU Member State

On 21 September, the European Commission presented [in Luxembourg](#) the new Integrated Strategic Energy Technology Plan ([SET Plan](#)). The SET Plan promotes research and innovation efforts across Europe by supporting technologies with the greatest impact on the EU's transformation to a low-carbon energy system.

The new SET Plan proposes ten research and innovation actions to accelerate the energy system's transformation and create jobs and growth while ensuring the European Union's leadership in the development and deployment of low-carbon energy technologies. It promotes cooperation amongst EU countries, companies, research institutions, and the EU itself. The SET Plan is the first deliverable contributing to the the fifth dimension of the Energy Union strategy which is focused on research, innovation and competitiveness.

In the following months, EU Member States and stakeholders shall translate these actions into specific recommendations for new research and innovation programmes and activities at the European, national and regional level.

Full article: [European Commission > Research & Innovation](#)



One more step towards an EU-CELAC common research area

Maria Cristina Russo, the Director for International Cooperation of the Directorate-General for Research and Innovation participated in the meeting of Science and Technology Ministers and High Level Officials of CELAC in Quito on 14 and 15 September. The visit to Ecuador took place during the Ecuadorian presidency of CELAC, at the invitation of Mr. Ramirez, Secretary of State for Education, Science and Technology, to ensure a follow-up discussion with CELAC STI Ministers on the June 2015 EU-CELAC Summit decision to move towards a Common Research Area (CRA). At the Ministerial meeting Ms. Russo presented the concept of an EU-CELAC CRA and discussed with them the next steps towards achieving this objective.

In addition to this meeting, the creation of an EU-CELAC Common Research Area was discussed also with the Minister of Development Cooperation, Ms. Rosero, the Vice-Minister of Human Talent, Mr. Rubén León and the Vice Minister of Foreign Affairs Mrs. Silvia Espindola.

More information

- [EU-CELAC information leaflet](#)
- [15 proyectos de Ecuador cooperan con la UE](#)

Full article: [European Commission > Research & Innovation](#)

Over 150 scientists in the frame for new EU science advice panel

Over 150 scientists have put their names forward to join the EU's new science advice panel, the Commissioner for Research Carlos Moedas said this week.

Moedas announced the new Scientific Advice Mechanism (SAM), a seven-member panel of experts to oversee the process of how the Commission gets scientific advice on controversial issues like shale gas or genetically modified organisms, [in May](#).

He enlisted a three-person team, headed by the UK special representative for climate change, David King, to help pick the final panel. King and two others, the chair of the Dutch Royal Academy of Sciences Rianne Letschert and former Justice Commissioner António Vitorino, will filter the submissions and propose a shortlist to Moedas by the end of October.

"It is my firm intention that the group will be launched and have its first meeting before the end of the year," Moedas said.

Full article: [Science | Business](#)



EU hiring rules could catch out universities

Universities could lose up to a quarter of European Union research funding if they fail to comply with new rules designed to promote fair recruitment, a Brussels official has warned. Under the six-year €80 billion (US\$90 billion) Horizon 2020 settlement agreed in May, UK universities are expected to receive roughly £2 billion (US\$3 billion) in EU funding over the next two years.

But institutions could see large amounts of money clawed back by the EU if they do not adhere to new conditions attached to Horizon 2020 funding, said Irmela Brach, policy officer at the European Commission's directorate-general for research and innovation.

Speaking at the Vitae Researcher Development International Conference in Manchester, which took place from 8 to 9 September, Brach said that breaches of the new framework's article 32 – designed to stamp out sexism, nepotism, localism and cronyism when hiring researchers – could lead to severe financial penalties for those who have won European Research Council awards. Termination or suspension of research payments would be possible under the rules outlined in Horizon 2020, which came into effect last November, Brach explained.

Full article: [Times Higher Education](#)

Improve gender-based analysis in EU research – LERU

The League of European Research Universities, or LERU, has called for improved gender-based analysis in research, saying the European Union, or EU, should use its funding power to insist on better use of this key study variable.

LERU launched a new advice paper on the topic "Gendered Research and Innovation: Integrating sex and gender analysis into the research process" in Brussels last Wednesday. The report shows how gendered research and innovation, or GRI, is an under-recognised issue, which too often is not incorporated into the design, process, content and implementation of research. ([University World News](#))

EURAXESS inaugurates the first Career Development Centre

The first brand new EURAXESS Career Development Centre (ECDC) is now available in the UK.

Vitae is the [EURAXESS](#) Career Development Centre for the UK - your virtual service centre for everything related to career development for researchers. The website and services can **help you plan and manage your career, develop as a professional, or discover your research career options inside and**



outside of academia. Thinking of coming to the UK? [UK institutions are leaders in the provision of career development services for researchers.](#)

Hopefully many more EURAXESS Career Development Centres will follow soon!

Bridging research to industry: New tool that connects PhD holders with companies

DocPro is an online platform that helps PhDs to highlight their professional and personal skills in front of employers. It may be used by PhDs from all scientific fields, from STEM to Humanities, and from all countries. [Online tool available in English and French!](#)

The EU and China signed a key partnership on 5G, our tomorrow's communication networks

Both parties are committed to reciprocity and openness in terms of access to 5G networks research funding, market access as well as in membership of Chinese and EU 5G associations.

The EU and China have signed a milestone agreement in the global race to develop 5G networks, during today's EU-China High Level Economic and Trade Dialogue in Beijing. ([EU in China](#))

4.2 EU Member States*, China & Bilateral Cooperation

Austria: Two Austrian researchers receive Best Poster Award from CAS President Bai Chunli

At the closing ceremony of the ChinaNANO 2015 Conference on 5 September, President Bai Chunli granted the "Best Poster Award" to two Austrian researchers. These were Mr Rudolf Heer from the Austrian Institute of Technology and Mr Gaffar Hossain from V-trion textile research. 20 researchers from a total of 600 participants in the poster sessions received this award. ([austria-scitech-china.at](#)).

Austria: Austrian Nanotechnology Delegation visits China

From 30 August to 5 September 2015, the Office of Science and Technology at the Austrian Embassy in Beijing arranged in cooperation with the Austrian Ministry of Science and Technology (BMVIT) and Advantage Austria a visit to China of a delegation of Austrian nanotechnology experts from science and industry.

* Including countries associated with Horizon 2020.



In Guangdong, the delegation visited Sun Yat-Sen University and the Shenzhen Institute of Advanced Technology. This was followed by a one-day roundtable at Shanghai University and a celebration of the winners of the first joint call with the Chinese Academy of Sciences at a reception in Beijing. From 3-5 September, the delegation participated in the ChinaNANO 2015 Conference and held kick-off meetings for their joint projects with CAS. (austria-scitech-china.at).

Belgium: Chinese Vice-Premier Eyes Further Technology Cooperation with Belgium

Visiting Chinese Vice Premier Liu Yandong on Monday (14 September) expressed China's willingness to enhance technology and innovation cooperation with Belgium.

Liu arrived in Belgium Monday morning (14 September) to kick off a multi-day Europe tour and her first stop was some major research centers.

She visited Flemish Institute for Technological Research (VITO), which is dedicated to research in areas of sustainable chemistry, energy, health, materials management and land use.

"The five research areas of the center actually coincide with China's research areas," said Liu, adding that China wants to enhance cooperation with VITO, particularly in remote sensing, energy efficiency, environmental protection and new materials. The cities of Beijing and Tianjin and the Hebei Province in north China are now focusing their attention on the development of green energy and treatment of air-pollution. However, in those areas, there was no sufficient sources of wind or solar energy.

Liu said the proposed cooperation between VITO and an institute under the Chinese Academy of Sciences on jointly implementing the concept report of the CropWatch science satellite constellation mission serves an example to demonstrate the openness of cooperation between China and Europe in science and technology and innovation. ([CAS Newsroom](#)).

Cyprus: Exhibition of Chinese, Cypriot antiquities opens in Cyprus

People visit the exhibition of Chinese and Cypriot antiquities at the Archaeological Museum of the southern city of Limassol, Cyprus, Sept. 28, 2015. The exhibition entitled "Two distant worlds, The Chinese Dynasties of Qin-Han and Roman Cyprus" was opened. ([Global Times](#))

Italy: China-Italy Science, Technology & Innovation Week 2015

The China-Italy Science, Technology & Innovation Week will take place in China – main stops will be Beijing and subsequent territorial missions in Shanghai, Chongqing and Tianjin –**16 to 20 November 2015**. It will be a week entirely dedicated to the exchange activities in the fields of science and technology between the operators of the two countries. It is aimed at creating



technology, production and commercial partnerships in the innovative of research-enterprise contexts.

The initiative is the event of maximum impact and visibility of the China-Italy Innovation Forum (CIIF - VI edition) that, together with the Sino-Italian Exchange Event (SIEE - IX edition), is main Italian platform for cooperation with China on these themes.

This year the event will be inaugurated by the Minister of Education, University and Research, Stefania Giannini. ([Research Italy](#)).

Malta: Malta and China in a Joint Research Collaboration in Aqua Culture

Malta and China have established a joint commission and a signed Memorandum of Understanding to set up a joint laboratory in Malta with Yellow Sea Fishery Research Institute on Aqua Culture.

The first meeting of the commission was held in Malta on 26 August. At the end of the meeting, both sides signed a MoU where the Chinese announced that the Yellow Sea Fishery Research Institute on Aqua Culture would open a research center and joint laboratory in Malta. ([Global Times, in Chinese](#)).

Slovakia & Central and Eastern Europe: Symposium on China-CEE innovation, technology cooperation opens in Bratislava

A symposium on innovation, technology cooperation and international technology transfer between China and the Central and Eastern Europe (CEE) countries was opened in Bratislava, Slovakia, 21 September.

This event will provide an opportunity for government representatives, experts and managers in innovation, to create mutually beneficial relationships and to enable the sharing of knowledge and ideas, according to officials.

The symposium includes lectures by Slovak experts in the field of innovation and technology, as well as visits to companies operating in Slovakia that are active in research and development.

Participants include representatives of China and 16 countries of the Central and Eastern Europe. ([Xinhua](#)).

The UK: Chinese Academy of Social Sciences (CASS) invests in first major international scheme with UK Research Councils

Four new UK-China partnerships to strengthen research in the social sciences and arts and humanities have been announced. The projects will be funded



under the **ESRC-AHRC-CASS International Centre Partnerships scheme**, the first joint programme funded by the Chinese Academy of Social Sciences (CASS), Economic and Social Research Council (ESRC) and the Arts and Humanities Research Council (AHRC). Facilitated by RCUK China, the total funding available for the UK for this call (AHRC and ESRC) was £900,000, with matched equivalent resources from CASS. ([RCUK](#))

The UK: UK-China Economic and Financial Dialogue

On 21 September 2015, the Chancellor George Osborne and Chinese Vice Premier Ma Kai concluded the seventh UK-China Economic and Financial Dialogue (EFD). Several RCUK programmes in China were included in the EFD [Policy Outcomes Paper](#).

The official launch of the Newton Fund Research and Innovation Bridges Programme, which will bring together UK and Chinese researchers and businesses to develop solutions to global challenges was featured (no.15).

The EPSRC-NSFC joint call on Low Carbon Cities, and the ESRC-NSFC Urban Transformations joint call underlined the importance of continued research collaboration between the UK and China in pursuing sustainable urbanisation (no.18).

STFC's Newton Fund Remote Sensing for agritech programme highlighted the importance of bilateral space co-operation (no.26).

Cooperation on health policy, health informatics, care quality assessment and global health security, especially in the field of antimicrobial resistance (AMR) was also a priority. (Source: RCUK Newsletter)



5 Grants & Fellowships

LOOKING FOR FUNDING?

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 are 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.



5.1 EU: Call announcements for international researchers

ERC: Are you a Chinese researcher, interested in joining a European Research Council (ERC) team in Europe for 6-12 months?

The new ERC/NSFC initiative is open to active holders of NSFC grants. They can undertake single (6 - 12 months) and long-term or multiple short term research visits (e.g. for joint experiments), becoming part of teams led by ERC grant holders in Europe.

The first ERC call is expected to be launched in the second half of 2015 and the first Chinese visits will take place in 2016. More information in English and Chinese is available [here](#).

The arrangement creates opportunities for Chinese researchers who are active holders of NSFC competitive grants to pursue collaboration with ERC grantees. **Read more:**

[The agreement in Chinese; The agreement in English; Press Release](#)

The first ERC call is expected to be launched in the second half of 2015 and the first Chinese visits will take place in 2016

This collaboration is intended to enable Chinese researchers to undertake single and long-term (6-12 months) or multiple short-term research visits (e.g. for joint experiments) with the ERC-supported European teams. Research visits should begin at least 12 months prior to the termination date of their NSFC-funded projects. Multiple short-term visits should aggregate to 6 months minimum.

The ERC grants already provide sufficient flexibility to allow, if necessary, reciprocating visits of the ERC supported Principal Investigator and/or members of his/her team to further enhance the cooperation with the Chinese counterpart. The two Sides will continue to explore the possibility of attracting and encouraging European researchers to visit Chinese research teams through a reciprocal funding scheme to be developed in the future pending available resources.

This is how it is going to work:

The European Research Council will gather interests from Principal Investigators (PIs) holding ERC grants in hosting China-based researchers. This list will be sent to the NSFC a listing of the interested PIs/teams, together with the publishable description of their respective ERC-funded projects. The NSFC will then inform Chinese researchers with an active NSFC grant of the



collaborative opportunity through a call that describes the goals of the programme and the collaborative opportunities.

ERC in a nutshell

The ERC aims to:

- Support the best of the best in Europe across all fields of science, scholarship and engineering
- Promote wholly investigator-driven, or 'bottom-up' frontier research
- Encourage the work of the established and next generation of independent top research leaders in Europe
- Reward innovative proposals by placing emphasis on the quality of the idea rather than the research area
- Raise the status and visibility of European frontier research and the very best researchers of today and tomorrow

Want to keep in touch with the European Research Council? **Subscribe to their newsletter** – access the September issue [here](#).

EU: Horizon 2020

[On this page](#) you will find draft versions of the Horizon 2020 work programmes for 2016-2017. These documents are being made public just before the adoption process of the work programme to provide potential participants with the currently expected main lines of the work programme 2016-2017. They are not yet endorsed by the Commission. The adoption and the publication of the work programme by the Commission are expected in mid-October 2015.

[Click here](#) for **ERC 2016 Work Programme** and [MSCA pre-publication WP](#)

Access all open calls on the [Horizon 2020 Participant Portal](#).





5.4 EU Member States*: Call announcements for international researchers

Czech Republic: 2 post-doc positions at Department of Asian Studies, Palacký University in Olomouc

Palacký University, Olomouc is the oldest university in [Moravia](#) and [the second-oldest in the Czech Republic](#). It was established in 1573. The picturesque town of [Olomouc](#) has 100,000 inhabitants and some 25,000 university students.

Full-Time Postdoc Researcher in Central Asian Studies: The holder must be strong in Russian language (writing, reading, and speaking) and is able to work with a research team to contribute to a survey analysis of Central Asian's views on China.

Full-Time Postdoc Researcher in Political Science must be strong in quantitative methods in Political sciences and is able to work with a research team to contribute to a survey analysis of Central Asian's views on China. More info on [EURAXESS Jobs](#).

Estonia: Outgoing Short Study Visits

Estonian Academy of Sciences announces the **call for applications for outgoing short study visits** in 2016. Researchers working in Estonia, irrespective of their nationality or affiliation are eligible to apply, provided they meet criteria set by the [partner academies](#). The deadline for applications is **November 15, 2015**. Please find more information at the [Estonian Academy of Sciences webpage](#).

Europe (The UK, France, Germany, Sweden, Austria): 15 PhDs positions (Marie-Curie, Early Stage Researcher Fellowships)

IPPAD is a unique international (EU, US, China, Japan and S. Korea) and interdisciplinary research consortium based on high profile universities/institutes and large innovative industries.

Background: Small soot particles or particulate matter (PM) is one of the deadliest forms of air pollution: such particles, inhaled in traffic and city centres, are linked to a wide range of serious health effects, including premature death, heart attacks, and strokes, as well as acute bronchitis and aggravated asthma among children.

* Including countries associated with Horizon 2020.



Applicants must be in the first 4 years of his/her research career. This is measured from the date of graduation (MSc degree or equivalent). The deadline is 30 October 2015. Info on [EURAXESS Jobs](#).

Europe (Italy and Serbia) and China: International PhD in Economics and Management of Natural Resources

International PhD in The Economics and Management of Natural Resources has been developed at LUM Jean Monnet, in collaboration with the Megatrend, Belgrad (Serbia) and China Three Gorges University (CTGU) - China.

The PhD is a **3-year international program** designed for highly qualified and motivated students who wish to acquire the research and analytical skills in business and managerial disciplines related to the **management of natural resources and sustainability**. The program provides students with solid methodological bases and the ability to design and implement research projects in business disciplines, with a peculiar focus on **environmental management**. More information on [EURAXESS Jobs](#).

Finland: Ten post-doctoral researcher positions at the University of Eastern Finland (UEF)

The University of Eastern Finland (UEF) is a multidisciplinary university, which seeks to find solutions to global challenges through interdisciplinary research. The UEF has 10 open positions for post-doctoral researchers to carry out their research in the research areas recognized as top-level international, advanced-level strong or emerging research areas in the strategy of the UEF. See more about the positions on our [EURAXESS Job portal here](#).

France: CEFC, French Centre for Research on Contemporary China, can host Researchers for a short stay.

The French Centre for Research on Contemporary China (CEFC), has sent out the annual call for university faculty, teachers and researchers that are interested to be hosted for a short stay in the French CNRS delegation. For the 2016 call that has just opened, it will support such applications where the project is in the field of contemporary political, economic, social and cultural study of China and Chinese-speaking world (Taiwan, Hong Kong, Macao).

Researchers interested in this option should contact the Director of CEFC for an opinion on the research project before **31 October 2015**.

See more on the [website of CEFC](#) (*in french*).



France: PRESTIGE Postdoc programme

The **PRESTIGE** programme, coordinated by [Campus France](#), aims at **fostering the international mobility of post-doc researchers**.

Three mobility schemes are available:

- **Incoming**, allowing foreign researchers to carry out their post-doctoral research work in France;
- **Outgoing**, for researchers from France wishing to carry out a post-doctoral research project in another country;
- **Re-integration**, targeted at nationals of EU Member States or Associated Countries working in research for at least 3 years in another Third Country to come to France to further develop their career.

PRESTIGE is a **co-financing programme, funding about 1/3 of the post-doc fellow's living, mobility and research allowance**, while the remaining 2/3 are financed by another partner, either public or private.

Call for applications continuously open with four cut-off dates.

Next deadline: 30 September

Further information [here](#)

Europe/France: KIC InnoEnergy PhD School

KIC InnoEnergy offers doctoral students a complementary training program for doctoral studies called **KIC InnoEnergy PhD School**. This course, validated by the doctoral college of the University Grenoble Alpes, includes:

- Access to a **network of 220 partners in Europe** through participation in scientific conferences and networking events, fully funded by KIC InnoEnergy.
- **Training to innovation, entrepreneurship and business** to complement the technical skills and increase the employability of participants.
- The **financing of international mobility**: travel, accommodation and allowances supported by KIC InnoEnergy.

Deadline 2 November 2015

phdschool@kic-innoenergy.com

See more information on the [website of L'Intelli'agence \(in french\)](#).



Germany: PhD positions at Max Planck Institute for Chemical Energy Conversion

The International Max Planck Research School (IMPRS) on Reactive Structure Analysis for Chemical Reactions (RECHARGE) at Max Planck Institute for Chemical Energy Conversion is offering **20 open positions**.

The IMPRS-RECHARGE is open to students **from all countries**; funding for three years is granted for international and national students.

Deadline: 31 December 2015.

Germany: The International Post-Doc Initiative for Female Researchers

Between 2013 and 2018 the [International Post-Doc Initiative \(IPODI\)](#) of the Technische Universität Berlin awards 21+2 two-year fellowships to international **female researchers** in three internationally open calls. IPODI is part of an initiative (Wissenschaftlerinnen an die Spitze) that aims at increasing the number of women in leadership positions. IPODI addresses outstanding female researchers regardless of their nationality or age and is open to applications from **all fields** of research represented at the TU Berlin.

The third call for applications will be open until **15 October 2015**.

IPODI has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 600209 (Marie Curie Co-funding of Regional, National, and International Programmes).

Italy: Science Communication workshop for early career stage researchers

The school will run on **10-14 April 2016** in Perugia, Italy.

Over the past decades communication and outreach has become a fundamental concern of state-of-the-art research communities. The relationship between science and society has begun to change radically and communication has become a necessity. Important decisions involving scientists' research are no longer made by the scientific community but by politicians, private companies and by the media. Moreover the decisions often involve the general public whose opinion influences the politicians and the media behavior.

For these and other reasons it is important to improve the dissemination of research and to convey the value of a scientific way of thinking even to those who have nothing to do with science. Early bird registration deadline is at the end of October, otherwise **15 February 2016**. More information is [online](#).



Netherlands: KNAW Visiting Professors Programme

The **Royal Netherlands Academy of Arts and Sciences (KNAW)** funds its Visiting Professors Programme in order to enable outstanding foreign researchers from any discipline to spend time working in the Netherlands. The programme covers a research budget and the Visiting Professor's travel and accommodation expenses for a maximum period of one year. The applicant must find a Dutch university to act as his/her host organisation. **Deadline: 2 November 2015.** Further information [here](#)

Switzerland: SNSF International Exploratory Workshops

The **Swiss National Science Foundation (SNSF) International Exploratory Workshops** are aimed at **researchers in Switzerland who wish to organise workshops with participants from abroad.** The workshops are an opportunity for researchers from different backgrounds to meet, share new insights and increase their knowledge in a field.

The grant comprises **travel, room and board costs for up to ten participants from abroad.** The workshops may last **from two to five days.**

Applicants must be affiliated with a Swiss university or research institute and hold a PhD degree. Several calls per year. **Next deadlines: 7 October.** Further information [here](#)

Turkey: Research Fellowship Programme for International Researchers

The **Scientific and Technological Research Council of Turkey (TÜBİTAK)** grants **fellowships for highly qualified PhD students and young post-doctoral researchers of any nationality (except Turkish) and discipline** to pursue their **research in Turkey.** The fellowships cover **monthly stipend and travel expenses** for a maximum **duration of 12 months.**

Two application rounds per year. **Next deadline: 19 October.** Further information [here](#)

United Kingdom: BBSRC David Phillips Fellowships

These **Biotechnology and Biological Sciences Research Council (BBSRC)** fellowships are for **scientists who have demonstrated high potential and who wish to establish themselves as independent researchers.**

Applicants, of **any nationality,** should have **no less than 3 years of postdoctoral research experience.** They **must be resident in the UK at the time of application or in the process of moving to the UK** to take up an



already agreed contract at an eligible organisation such as Higher Education Institutions (HEIs) or Research Council Institutes (RCIs).

Proposals in any area of Biosciences are welcome but proposals that are aligned with BBSRC's overarching strategic priorities are particularly encouraged (i.e. plants, microbes, animals and tools for biological research).

Awards are for 5 years, up to 5 are available each year. They include personal salary and a significant research support grant (up to GBP 1 million - EUR 1.4 million). **Deadline: 21 October 2015**. Further information [here](#)

United Kingdom: British Council - Going Global 2016 Call for Proposals

The British Council is seeking innovative, agenda-setting proposals that will facilitate the sharing of knowledge and insights across borders. We welcome challenging perspectives, and are especially interested to hear from thought leaders anticipating and driving future agendas.

Type of proposal	Description	Deadline
Speaker	Propose a response to the Going Global 2016 themes in order to be placed in one of the sessions as a presenter, panellist, or chair/facilitator.	Wednesday 30 September 2015
Poster	Propose a poster to be displayed at the conference to discuss with delegates.	Friday 29 January 2016

Successful proposals will fulfil the listed criteria, so please read [guidelines](#) carefully.

United Kingdom: Investigator Awards

Investigator Awards build on our strategic goal of supporting the brightest researchers with the best ideas, and offer flexible funding support for researchers at all career stages. These may be newly appointed lecturers, mid-career researchers, up to senior or emeritus professors. Joint Investigator Awards are available to support two researchers with complementary expertise working closely together on a shared proposal.

[Investigator Awards](#) Funding for world-class researchers and clinicians with a compelling long-term vision for their research. Details of [funded Investigator Award recipients](#) and the areas they are working in.

Next full application deadline: **6 November 2015**.



United Kingdom: British Academy/Leverhulme Small Research Grants

Grants are available to support primary research in the **humanities and social sciences**. The first recourse for funding should be to your own institution (where applicable). Applications will not be considered for less than £500. The maximum grant is £10,000 over two years. Applications for collaborative or individual projects are equally welcome under this scheme. Applications from international groups of scholars are welcome, provided there is a UK-based scholar as lead applicant. Deadline **14 October**.

Funds are available to facilitate initial project planning and development; to support the direct costs of research; and to enable the advancement of research through workshops or conferences, or visits by or to partner scholars. Applicants may seek support for any combination of eligible activity and cost up to the overall limit of £10,000. The Academy will assess applications equally on their merits, with no preference as to mode of enquiry.

All applications should demonstrate that Academy funds are sought **for a clearly defined, discrete piece of research, which will have an identifiable outcome on completion of the Academy-funded component of the research**.

See more information on the [website of the British Academy](#).

United Kingdom: 250 Great Minds - University Academic Fellowships

The University of Leeds wants to recruit **250 outstanding University Academic Fellows by 2017** who have the potential to make a major contribution to the University's academic performance and standing.

After successful completion of a structured five year development and induction programme you will be confirmed as an Associate Professor.

Last year over 76 outstanding individuals from across the globe were appointed to this scheme and this year there are over 90 exciting new opportunities, across all nine of the university's faculties.

There are roles available in the following research areas:

- Arts
- Biological Sciences
- Business
- Education, Social Sciences and Law
- Engineering
- Environment
- Mathematics and Physical Sciences



- Medicine and Health
- Performance Visual Arts and Communications.

You can hear about life as one of the 250 Great Minds from some of the successful candidates from last year's campaign [here](#). For further information, visit the dedicated website <http://250greatminds.leeds.ac.uk/> where you can find the full job description, further details about all the roles and how to apply.

United Kingdom: Gates Cambridge Scholarships Open to International Students

The Gates Cambridge Scholarships are one of the most prestigious international scholarships in the world. Scholarships are awarded to outstanding applicants from countries outside the UK to pursue **a full-time postgraduate degree** in any subject available at the University of Cambridge. About **95 Scholarships** are awarded each year. **Deadline:** October 14, 2015

Gates Cambridge Scholarship covers the full cost of studying at Cambridge. It also provides additional, discretionary funding. Read about the full scholarship value at this [link](#).

Eligibility: You can apply for a Gates Cambridge Scholarship if you are a citizen of any country outside the United Kingdom, applying to pursue one of the following full-time residential courses of study: PhD (three year research-only degree); MSc or MLitt (two year research-only degree); or a one year postgraduate course (e.g. MPhil, LLM, MAST, Diploma, MBA etc.)

It is important to read the How to Apply section and visit the official website (link found below) or read the [FAQs](#) for detailed information on how to apply for this scholarship.

[Visit Official Page](#)

The UK: IGL Grants programme

The Innovation Growth Lab has launched a call is to fund experimental research that uses RCTs to provide evidence on the best approaches to increase innovation, support high-growth entrepreneurship and accelerate business growth. For additional information, see www.innovationgrowthlab.org

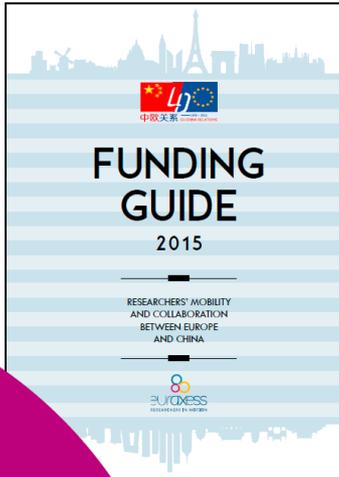
The UK: Longitude Prize

The [Longitude Prize](#) was launched in Beijing on September 8th, the prize is a GBP 10 million fund to help solve the problem of **global antibiotic resistance**. ([RCUK China](#)). More details can be found [online](#) where you can enter the challenge. Assessment is every four months.



5.5 Calls still open

Calls first announced in [previous editions of the newsletter](#)



EURAXESS Funding Guide

You can browse through a **wide array of European-level funding**, dozens and dozens of **national funding schemes**, plus a number of **Chinese funding schemes open to Europeans**. Feel free to forward it to your colleagues, friends in research-related fields all your students. We can also mail you a printed copy if you are interested. [This is the link to the downloadable PDF.](#)

Other open calls

Europe: CERN Postdoctoral Fellowships Open For Chinese Nationals

Deadline: **15 October**. Further information [here](#).

Europe: EUI Max Weber Postdoctoral Fellowships

Largest international postdoctoral programme in the Social Sciences and Humanities in Europe. **Deadline: 25 October**. Further information [here](#)

Europe: Jean Monnet Postdoctoral Fellowships

Deadline is **25 October**. More information is available [online](#).

Germany: GEAS-DAAD PhD scholarships (GSSP) in East Asian Studies

More information on [Euraxess Jobs](#). The deadline is **30 November**.

Luxembourg: PEARL funding programme

Incoming for recognised researchers from abroad. **Deadline: 15 October**. Further information [here](#)

Poland: New Fellowship Program POLONEZ for incoming researchers to spend 12-24 months in Polish host institutions

The deadline will be 15 December 2015.



See more information about the [Polish National Science Center at their website](#) and contact details for more info about the call in this [pdf](#).

Romania: 4 Post-doctoral positions (2 years) within the ERC project on Luxury, Fashion and Social Status in Early Modern South Eastern Europe [LuxFass]

The application file should be sent by **15 October, 2015**. More information is available [on the official website](#).

Slovakia: National Scholarship Programme (Incoming and Outgoing)

Next deadline: **31 October** Further information [here](#) (incoming and outgoing), [here](#) (incoming PhD students) and [here](#) (incoming university teachers, researchers, artists)

United Kingdom: Hong Kong-Scotland post-doctoral scholarship scheme

The closing date for applications is **22 October 2015**. See more information on the [website of the British Council](#)

EMBO Courses and Workshops

Funding is available for [Global Exchange Lecture Courses](#) and [practical courses](#), as well as for keynote lectures. and [travel grants](#). [Click for further details](#).

United Kingdom: PhD Placements and Supervisor Mobility Grants China-UK

Grants to sponsor PhD students and their supervisors from the UK and China. **Deadline is 10 October 2015**. See more information on the [website of the British Council](#).

France: AgreenSkills fellowships (co-funded by the EU)

The next submission deadline for applications to AgreenSkills and AgreenSkills+ is on Saturday the **14 November 2015**. [Learn more here](#).

Israel: The Government of Israel Scholarship

The deadline is **30 November 2015**. [Click here](#) to find out more information and download application forms.





United Kingdom: PhD at University of Warwick (Chancellor's International Scholarships)

Length of funding: up to 3.5 years. [More information at the website of University of Warwick.](#)

United Kingdom and China: Partnership Innovation Challenge

The call is **now open for applications** from all UK organisations involved in international education. For more information about how to apply, eligibility and further guidance, visit [this website](#), or send e-mail to partnershipfund@britishcouncil.org.cn. The deadline is **16 October 2015**.

China: NLPR Overseas Visiting Fellowships in Pattern Recognition

1. Visiting Professor (2-3 persons/year)

Visiting Period: 1-2 weeks. Application Deadline: **Flexible**.

2. Visiting Scholar (5 persons/year)

Application Deadline: **October 31**

All information with contact details and application forms can be found on [CAS website](#).

Austria: Erwin Schrödinger Fellowships

Applications accepted continuously. Further information [here](#).

France: Institut Pasteur: Doctoral Grants

For more information, visit [online](#) website or contact: boursesRIIP@pasteur.fr

Germany: Humboldt Research Fellowships

The applications for **Fellowships for Postdoctoral Researchers** and for **Experienced Researchers** are reviewed on a rolling basis. Further information here ([Postdoctoral](#)) and here ([Experienced Researchers](#)).

Germany: Emmy Noether Programme

Applications reviewed continuously. Further information is available [here](#).

Germany: DLR-DAAD Research Fellowships in the fields of Space, Aeronautics, Energy and Transportation Research



The application deadline depends on the offer. More information [here](#).

The Netherlands: NWO VISITORS TRAVEL GRANT

The call is now open, information [here](#).

Portugal: Grants for Sabbatical Leave.

All research fields and nationalities are eligible. The call is permanently open, information (in Portuguese) can be found [online](#).

Switzerland: Swiss National Science Foundation: International Short Visits

Next deadline: Anytime. More information is [online](#).

Turkey: TÜBİTAK Programme 2221 - Fellowships for Visiting Scientists and Scientists on Sabbatical Leave

Applications accepted on a rolling basis. Further information [here](#).

Estonia: Government Scholarships

More information on the scholarships are available [portal](#); the list of international programmes is [here](#).

Other useful websites for EU fellowships and funding:

- [Find A Postdoc](#)

- [Find scholarships in Europe](#)

- [Find PhDs in Europe](#)

- [Austrian Database for Scholarships and Research Grants](#)

- [Danish Ministry of Higher Education and Science Funding Guide](#)

- [Estonian Research Portal](#)

- [France PhD portal](#)

- [DAAD's Research in Germany Portal](#)

- [DAAD Research Fellowships and Grants Portal](#)

- [Study in Estonia Portal](#)



6 Jobs

There are currently more than **5,000** research jobs available on EURAXESS Jobs. Access thousands of job and fellowship announcements in Europe and worldwide on the [EURAXESS Jobs portal](#). You can sort jobs by country, level of seniority, field or research or via free text searches.

You can also advertise jobs and fellowships at your organisation, free of charge, on the EURAXESS Links China website.



6.1 Jobs in Europe and China

Europe: Job Opportunities for You Supported by Marie Skłodowska-Curie Actions

In addition to [EURAXESS Job Portal](#), which collects different job opportunities for researchers from all over Europe, you might be interested in taking a look at website of Marie Skłodowska-Curie Actions research fellowship which has a section called *Jobs for you..* Take a look at [MSCA website](#).

Hungary: Developer in GPU assisted lightfield data processing (Marie Skłodowska Curie Early Stage Researcher, European Training Network)

Holografika, company based in Budapest, is looking for a dedicated and intrinsically motivated early stage researcher (ESR), who will join their team creating the future of 3D displays. The recruited ESR will be offered the possibility to conduct PhD studies at a local university in Budapest, Hungary, visit other network partners for secondments, and attend the training events of the network.



Trento, Italy: Doctoral School in Information and Communication Technology - Project European Training Network for Cyber-security (MSCA)

International Doctoral School in Information and Communication Technologies, Project European Training Network for Cyber-security - NeCS ETN H2020-MSCA-ITN-2015 – Marie Skłodowska-Curie - Innovative Training Network (ITN), at the University of Trento (Italy). A number of PhD researchers trained in computer science will be hired regardless of age, gender or nationality. Find more on [EURAXESS Jobs](#).

Europe (Germany, Spain, the UK, Italy): Surface acoustics in semiconductor

SAWtrain is a Marie Skłodowska-Curie Actions (MSCA) Innovative Training Network (ITN) offering joint research training at the PhD level. The aim is to investigate the physics and applications of surface acoustic waves (SAWs) in semiconductor structures and related materials.

Research training will be complemented by training in transferable skills such as communication, entrepreneurship, intellectual property rights, as well as dissemination and exploitation issues. The network will encourage innovation by strengthening the bridge between basic research training and applications via the knowledge-based industrial partners of the consortium. The deadline is **31 October 2015**. See more information at <http://www.sawtrain.eu/>.

Ningbo, China: Assistant Professor (Lecturer) in Geographical Sciences at Nottingham University in Ningbo, China

Join a unique British University in China. The University of Nottingham Ningbo China (UNNC) was the first Sino-foreign university to open its doors in China. This award-winning campus offering a UK style education has grown to establish a student body of over 6,000 in just 10 years.

The University of Nottingham Ningbo, China, a pioneer in Sino-foreign tertiary education, is rapidly expanding. It is looking for ambitious, talented academics with a passion for teaching as well as research flair to join its team of science and engineering experts.

Candidates must hold a PhD in a relevant discipline. Excellent research skills, ideally supported by an established track record, plus the ability to attract funding for major research projects is a distinct advantage. Experience of teaching and tutorial work in relevant subjects at undergraduate and postgraduate level in an international English-speaking institution is also essential.

Preference will be given to candidates with appropriate expertise in environmental modelling and/or applications of GIS to **environmental sciences**. All job details are [here](#).



Salary will be within the range **£34,233 - £45,954** per annum depending on skills and experience, plus an attractive package including accommodation allowance, travel allowance and insurance will be provided for international appointments.

The post will initially be offered on a fixed term contract with the University of Nottingham, Ningbo, China for a period of five years starting 15 February 2016. ALL applicants are required to formally apply [online](#).

Deadline **5 October 2015**

Beijing, China: Faculty Positions at Beijing Institute of Genomics

Beijing Institute of Genomics (BIG) is one of the leading institutes in genomics research in China. BIG has excellent infrastructures for genomic and bioinformatics research. BIG opens faculty positions of both junior and senior levels. They seek dynamic individuals with innovative research programs in genomics, bioinformatics, genomic medicine, computational biology, systems biology, evolutionary biology and database construction. Candidates are expected to hold a Ph.D. degree, to have at least three-year postdoctoral research experiences and an outstanding publication record. Senior faculty positions are always open and will be negotiable on an individual basis. More information in on [CAS website](#).

Kunming, China: Plant Diversity Recruits Assistant English Editor International botanical journal under the auspices of the Chinese Academy of Sciences and sponsored by Kunming Institute of Botany, Chinese Academy of Sciences and Botanical Society of China. Native English speaker with a degree in biology or ecology is needed. Deadline for application is 31 October. More information [here](#).

Beijing, China: Talents Wanted Programme-Faculty search for the School of Environment, Beijing Normal University

All research fields covered by the School of Environment are eligible, including aquatic environments and ecologies, urban ecology, wetland habitats, basin environmental modification and ecological restoration, environmental engineering, hydrology and water resources, and environmental evaluation and management. Applicants should hold a PhD degree and are expected to be at their early-stage career. More info on [Nature Jobs](#).

6.2 Other EU Research Jobs Portals

EU



- [Academic Jobs EU](#)
- [Euro Science Jobs](#)
- [European Job Mobility Portal](#)
- [Careers with the European Union: European Personnel Selection Office](#)
- [Careers with the European Union \(EPSO\), non-permanent positions](#)
- [EuroBrussels- European Southern Observatory \(ESO\) recruitment portal](#)
- [CERN job portal](#)
- [Joint Research Centre external staff recruitment portal](#)

Jobs Portals in Member States and Associated Countries:

- [CEA PhD and Postdoctorate offers portal](#)
- [Belgian Federal Portal for Research and Innovation](#)
- [Cyprus' Research Promotion Foundation Database](#)
- [CNRS external examination portal](#)
- [Max Planck Society's job portal](#)
- [Helmoltz Association's job portal](#)
- [Irish Research Council Funding Portal](#)
- [Italian National Research Council vacancies](#)
- [BBSRC vacancies \(UK\)](#)
- [Science and Technology Facilities Council vacancies \(UK\)](#)
- [Helmholtz Centres \(Germany\)](#)
- [Leibnitz Institutes \(Germany\)](#)

To better plan and organise your stay in a foreign European country, researchers and their families can also benefit of the free and personalised assistance offered by the EURAXESS Services Centres, a network of more than 200 centres located in 40 different European countries.

7 Events

7.1 EURAXESS Links China recommends



Conference: Building Bridges for Science – Ten Years Austrian Center Shanghai at Fudan University

Date: 19-20 October 2015
Venue: Fudan University, Handan Road 220, Shanghai, China
Conference Language: English

In connection to the 10-year anniversary of the Austrian Center Shanghai at Fudan University in Shanghai, the conference “Building Bridges for Science” will bring together Chinese and Austrian scientists in order to discuss trends in research and international research cooperation.

A central topic of the conference will be the transfer the results of research activities into real life application. The conference is therefore interdisciplinary, involving for instance natural and technical sciences, economic science, social sciences and humanities, art and others. The focus is on the Chinese-Austrian bilateral exchange of experiences, best practices and lessons learnt.

The conference will take two days. Day 1 of the event focuses on the celebrations of the 10- year anniversary of the Austrian Center Shanghai. Renowned academics from both Austria and China give keynote speeches on the importance of international scientific cooperation and the internationalization strategies of their countries or institutions. Day 2 of the event focuses on the transfer of research results into everyday application in a series of workshops and an interactive side event for students. A film screening concludes the activities.

The aim of the event is to strengthen the existing links and to foster the building of new relations between higher education and research institution in Austria and China on topics of joint interest that will in all likelihood have an impact on future trends for innovative research.

RSVP: assistenz.shanghai@oead.at

Extended Deadline: Saturday, 10 October 2015!

Click [here](#) to download the agenda of the conference.

CHOICE Final Event: Lisbon - Providing continuous progress in strengthening China collaboration on ICT RDI with Europe

From October 19th to October 22nd, the CHOICE project will host its final event on "Providing continuous progress in strengthening China collaboration on ICT RDI with Europe", which will take place in Lisbon, Portugal.

Check it out at the event's website: <http://euchina-ict.eu/choice-final-event/>

The CHOICE final event will be dual and will be composed of (i) a **main conference** and (ii) a **booth at ICT 2015**, the European Commission flagship event.



On **October 19th**, the **main conference** will provide all attendees with an opportunity to discuss and exchange on best practices related to EU-China cooperation in the field of ICT RDI. The event, to be held at the AIP-CCI Headquarters the day prior to the opening of ICT 2015 will (i) provide access to the latest information on future opportunities for EU-China collaboration in ICT RDI within the framework of Horizon 2020, (ii) showcase success cases and (iii) discuss priority topics in the field. Participants will also have the opportunity to further interact with the speakers and network with other attendees to initiate joint projects.

The event is free, but pre-registration is needed.

From **October 20th to 22nd**, the CHOICE team will also host a booth at the ICT 2015 event, to showcase project expertise, present latest outcomes to date, and explore opportunities with the visitors willing to engage in EU-China ICT R&D cooperation. Tools to initiate collaborative ventures in ICT R&D in China will be exposed, as well as up-to-date documentation on EU & Chinese research environments and major ICT research topics and priorities. The CHOICE project will shed light on important EU-China ICT RDI activities and will provide live support and networking opportunities for European organizations willing to develop synergies.

If you wish to attend ICT 2015 and meet the CHOICE project partners at the booth don't forget to register.

For all inquiries, please contact: info@euchina-ict.eu

7.2 Upcoming scientific events in Europe and in China

Field	Date	Location	Title (click for more details)
Events in Europe			
Science Meets Comics: Future of Food	5 – 6 October 2015	Berlin, Germany	Symposium Science meets Comics. The Anthropocene Kitchen: designing the future of food
Food Safety	14-16 October 2015	Milan, Italy	Shaping the Future of Food Safety, Together
Innovation Policy	19-20 October 2015	Barcelona, Spain	Innovation for Growth
Research Policy	26- 27 November 2015	Brussels, Belgium	Voice of Researchers
Events in China			
EU and China Research and Innovation	13 – 16 October	Shanghai, Hangzhou and	Research and Innovation Tour: Where



Collaboration		Nanjing	Europe and China Connect
Genomics	22-25 October 2015	Shenzhen	The 10th International Conference on Genomics
Science Communication	27 October	Beijing	EURAXESS Science Slam
EU and China Research and Innovation Collaboration	30 October	Beijing	Research and Innovation Tour: Where Europe and China Connect
Materials	18-21 December 2015	Shenzhen	The 2nd International Conference on Advance Materials Research and Application (AMRA 2015)

8 Press Review*

8.1 Policy & Papers

Broken Abacus? A More Accurate Gauge of China's Economy

In *Broken Abacus? A More Accurate Gauge of China's Economy*, Daniel H. Rosen and Beibei Bao independently re-estimate China's economy in terms of nominal GDP. To produce a result that could be compared with official Chinese figures, they relied on official data when it made sense to do so, while diligently documenting their methodology for future researchers. Die-hard national accounting specialists and macroeconomists will find a multitude of quantitative and qualitative findings in the full study, but the text is readable for experts and general China-interested readers alike. This path breaking study sets the stage for future China analysis where the absolutely size of the Chinese economy, not just the year-on-year change, will be of increasing interest and discussion. ([Rhodium Group](#))

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China to Deal Severely with Scientific Fraud

China will impose heavier punishments on people involved in scientific paper scandals, said Han Qide, chairman of the China Association for Science and Technology.

"Retraction of scientific papers by international publishers has done great harm to China's academic development and its reputation," said Han at a meeting on improving scientific and academic institutions.

This March, BioMed Central from the United Kingdom retracted 43 scientific papers of which 41 were from the Chinese mainland, because of fake peer-reviews provided by a third-party agents.

In another recent case, the Springer-Verlag Publishing House announced retraction of 64 papers published in its 10 academic journals. All of them were by Chinese authors.

Investigation shows that most of the authors submitted their papers via a third-party agent which not only provided language services and submissions but services beyond basic academic ethics including trading papers, said Han. ([CAS Newsroom](#))

New Report: The China Effect on Global Innovation

An aging population, rising debt, and declining returns on investment mean that the country must promote innovation to secure a high-growth future, a new McKinsey Global Institute report finds. **How innovative is the Chinese economy?** On the surface, the answer seems clear: by traditional measures, China is innovating on an increasingly large scale and is close to becoming the global innovation leader.

Despite the headline numbers, the impact of innovation on China's GDP growth (as measured by multifactor productivity) has declined in recent years.

Traditional approaches to assessing innovation involve evaluating the innovative capacity of nations and organizations-numbers of PhDs, patents, and technical papers published, for example. But for this study, the McKinsey Global Institute used an alternate method that captures the actual impact of innovation.

See more [here](#) and [download the pdf of the report here](#).

8 regions selected as innovation zones

China aims to build a long-term mechanism that could spur innovation and drive economic growth.

The State Council has chosen eight regions, including the Beijing-Tianjin-Hebei cluster, Shanghai, and Guangdong province as pilot zones to carry out trials on innovation and reform.



Li Pumin, spokesman for the National Development and Reform Commission, told a news conference that these regions have been asked to map out detailed proposals for innovation reform in the fourth quarter.

The regions have been tasked with building a long-term mechanism for promoting innovation and making breakthroughs in promoting fair competition, intellectual property, scientific achievement and financial innovation, Li said.

Experiments will be carried out in these regions in 2016, while the NDRC and the Ministry of Science and Technology will evaluate the performance. Successful measures will be duplicated or promoted nationwide, said Li. ([China Daily](#))

China announces stem-cell rules

Chinese stem-cell scientists have welcomed long-awaited measures that, state media claim, will rein in rogue use of stem cells in clinics while allowing research.

The measures — announced on 21 August by China's National Health and Family Planning Commission through [state media](#) — offer a straightforward path towards clinical studies, researchers told *Nature*. But some also warn that the measures do not have the teeth needed to stop clinics offering unproven and unapproved treatments. ([Nature](#))

China to give robot makers subsidies and funding

Chinese robot makers are to benefit from favorable government policies to help boost development, said an industrial official at a China Robot Industry Development Summit in Chongqing.

"The policies will include subsidies for companies who buy local brand robots, and a national merger and acquisition fund to help Chinese makers acquire world-advanced technologies from foreign companies," said Liu Tao, from the equipment department at the Ministry of Industry and Information Technology.

Industrial robot manufacturing is one of 10 key sectors that will benefit first from the newly released national plan Made in China 2025. Under the direct supervision of Premier Li Keqiang, it is designed to make breakthroughs in bottleneck areas so that the country can play an important role in global manufacturing. The ministry is drafting a 13th five-year plan for the industry expected to be released in November.

Liu said most Chinese makers do not have their own core technologies and still largely rely on imported key components and Chinese clients do not have enough trust in Chinese brands.

"Our ministry and the National Development and Reform Commission will set up a fund to encourage Chinese makers to acquire foreign robotic technologies," he said. The government will also help promote local robot brands among



Chinese users. "We will help enhance public awareness and trust in Chinese robots," Liu added. ([China Daily](#))

Researchers punished for corruption

Several environmental researchers were given administrative punishments for a corrupt project they were responsible for, the Ministry of Environmental Protection (MEP) announced. The project was a national program on water pollution and treatment, during the 11th five-year plan period (2006-2010), covering China's major lakes, rivers and urban drinking water. ([Xinhua](#))

8.2 Voices & opinions

China outperforms economic peers in latest global innovation index

China outperformed its economic peers in the Global Innovation Index 2015 released on Thursday (*17 September*), demonstrating strength in some variables of the index including education, general infrastructure and knowledge impact.

The GII, jointly published by Cornell University, the French business school INSEAD and the World Intellectual Property Organization, ranked China 29th in the world, which makes it first in the upper-middle income group and 7th in the South East Asia and the Pacific geography group.

Globally, Switzerland topped the league table, followed by the UK and Sweden in second and third places. The index, which is in its 8th year running, covers 141 countries.

China has scored high in several key indicator areas that contribute towards the index. Its knowledge impact ranks 1st in the world, education ranks 2nd in the world, both of its general infrastructure as well as knowledge and technology outputs rank 3rd in the world, and knowledge creation is 6th. ([China Daily](#))

Where China Can't Compete

To be world-class, Chinese research institutions must also be able to cooperate and compete openly in the international arena. However, Chinese think tanks are encouraged to do the opposite: access to ideas and even scholars from outside China is painted as dangerous. A Chinese think tank leader recently called for establishing a "blacklist of unpopular overseas scholars" so that they were "kept away from China's idea market and marginalized by Chinese intellectuals." Blocking foreign news sites on the Internet also prevents Chinese scholars from developing the fullest understanding of how world events—and indeed China itself—are viewed outside the country. As one Chinese scholar



noted on WeChat, “Chinese think tanks do not have the ability to correctly predict the rapid changes of international situations.” ([Foreign Affairs](#))

The Spy Who Was Innocent

U.S. researchers routinely partner with scientists elsewhere in the world, including China, often in order to overcome funding constraints in their respective countries. Most of these scientific exchanges have nothing to do with trade secrets. Yet, from the point of view of law enforcement, some of them do have the potential to be used as a cover for the theft of sensitive technology. The F.B.I. would be remiss to turn a blind eye to such collaborations. ([The New Yorker](#))

8.3 Thematic Activities

Health

Human head transplants not distant, scientist says

It will take at least two years before the first human head transplant surgery in history can take place, but the day is coming, a leading Chinese transplant scientist said on Tuesday (15 September).

"It is impossible to give an exact date as the conditions are not yet ready for clinical trials for the operation," said Ren Xiaoping, a professor at Harbin Medical University in Heilongjiang province, a major participant in the project.

Sergio Canavero, an Italian physician, told Xinhua News Agency at a meeting in Harbin in late August that he will partner with Ren to attempt to transplant a human head onto a new body.

Ren said there were intensive discussions during the meeting, but they did not go into detail about their cooperation on the project. ([China Daily](#)).

Anti-CD47 Antibody Offers New Approaches to Cancer Therapy

In a new study published online by *Nature Medicine* on Sept. 1, entitled “CD47 Blockade Triggers T Cell–Mediated Destruction of Immunogenic Tumors,” LIU Xiaojuan of the Institute of Biophysics and Meng Xu of the University of Chicago, led by Prof. FU Yang-Xin, revealed that the therapeutic effect of antibody-mediated CD47 blockade in syngeneic tumor models largely depends on the activation of T cells.

Evaluating the research, international peer reviewers said, "Liu et al evaluate CD47 antibody blockade in a proper model and reveal strong evidence of dendritic cells dependent adaptive T cell immunity in contrast to a large body of high impact publications suggesting CD47 blockade drives mainly a macrophage-dependent phagocytic anti-tumor mechanism." They added that



“the findings of this manuscript are therefore potentially of high impact” and “the data are very strong and clear.”

The study yields important information for designing new treatment using anti-CD47 mAbs and also stresses the importance of using immunocompetent hosts harboring a syngeneic tumor for future cancer studies. With the development of antibody therapeutics in cancer, monoclonal antibodies have entered the mainstream of cancer therapy. Also, with the beginning of human clinical trials of anti-human CD47 cancer therapy in 2014, these increasingly promising research results regarding anti-CD47 mAb will definitely give physicians indicators of how the treatment is working in patients. ([CAS Newsroom](#))

Chinese scientists row over long-sought protein that senses magnetism

On 14 September, Zhang Sheng-jia, a neuroscientist at Tsinghua University in Beijing, and his colleagues published a paper in Science Bulletin claiming to use magnetic fields to remotely control neurons and muscle cells in worms, by employing a particular magnetism-sensing protein. But Xie Can, a biophysicist at neighbouring Peking University, says that Zhang’s publication draws on a discovery made in his laboratory, currently under review for publication, and violates a collaboration agreement the two had reached. Administrators at Tsinghua and Peking universities, siding with Xie, have jointly requested that the journal retract Zhang’s paper, and Tsinghua has launched an investigation into Zhang’s actions. ([Nature](#))

Food, agriculture & fisheries, biotechnology

Chinese scientists develop 'weapon of mass destruction' as last resort in fight against harmful algal blooms



Scientists in China have used “cold plasma” to attack and destroy a dominant species of algae that causes widespread problems in the seas, lakes or



waterways of numerous countries, including poisoning sources of drinking water and killing fish and other marine life on a large scale.

Researchers at the Key Laboratory of Ion Beam Bio-engineering, at the Hefei Institute of Physical Science in East China's Anhui province, discharged cold plasma, also known as non-thermal plasma, on the harmful cyanobacterial bloom, which resulted in it dying or losing its ability to reproduce within eight hours, they said.

Algal colonies absorb lots of oxygen and release harmful chemicals at the same time – often signalling a death knoll for animals and plants inhabiting the same water. ([SCMP](#))

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Information & communication technologies

China issues plan to promote 'three-network convergence'

China's State Council released a plan promoting a nationwide project to deliver telecom, radio, television and Internet services over a single broadband connection. The "three-network convergence" project is aimed at integrating data transmission infrastructure and facilitating information sharing, according to the plan.

"The project can help upgrade consumption, overhaul industrial structure and improve people's livelihood," said the document.

Radio and television stations are allowed to operate phone call and Internet services. Telecom companies are allowed to make radio and television programs, except for political news. The "two-way" entry to each other's business will be implemented in a gradual way, said the plan. ([China Daily](#))

A first look at the Chinese operating system the government wants to replace Windows – Quartz

NeoKylin has long been part of the Chinese government's hopes that a successful domestic OS would emerge. This has been driven by Microsoft dropping support for Windows XP—still widely used in China—and the government's push to limit dependence on foreign technology, primarily for security reasons. Now NeoKylin is starting to be considered a legitimate option even for users outside the government. ([QZ.com](#))

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Nanosciences, nanotechnologies, materials & new production technologies

Material as light as balloon and tough as metal created

The foam-like material was created by forming tiny tubes of graphene into a cellular structure, which is as stable as that of a diamond, said the study led by researchers at the Chinese Academy of Sciences' Shanghai Institute of Ceramics.

The 207 times stronger than steel material can withstand a weight 40,000 times of its own without bending. The high resilience also allows the material to be squeezed to just 5 per cent of its original size and still return to its original shape. ([China Daily](#))

International Conference on Nanoscience and Technology in Beijing

The 6th International Conference on Nanoscience and Technology attracted more than 1,300 researchers and industrial experts to Beijing. The biennial event, since being launched in 2005, has developed into the largest event for the nano industry in China.

"It is well known that nanotechnology, information technology and biological technology form the pillars of the current world," said Bai Chunli, president of the Chinese Academy of Sciences and a renowned nano scientist. ([China Daily](#))

Chinese scientists develop 'smart fibers'

Chinese scientists have developed new smart fibers that react after exposure to certain stimuli, giving possibility to smart clothes, automatic window shades and artificial limbs with the sensitivity of human muscles.

Ranging between a nanometer and micrometer in size, the fibers can be moved and controlled, capable of motion such as shifting clockwise or contracting, said Professor Peng Huisheng, who led the research team from Shanghai-based Fudan University. Inspired by the movement mechanism in plants, the fibers can be manipulated using different liquids or solvents.

For example, fibers with strong contraction power can be used to help generate electricity. If woven, they can be turned into smart textiles. In the industrial sector, they can be made to react to certain gasses or chemicals, allowing smart cutting off valves in the case of a leak. ([China Daily](#))

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Energy

Nuclear technology – China's next great export?



For China, the prize on offer in the UK is not the investment in Hinkley Point or Sizewell B but a controlling stake at Bradwell in Essex. This could be the first Chinese-designed nuclear power plant in the West, a massive breakthrough for China in promoting global exports of its nuclear technology. ([BBC](#)).

* * *

Environment (including climate change, conservation and biology)

Discovery of 17 million-year-old fossilised flower adds to mystery of Tibetan plateau

Scientists found the flower at an altitude of 4,600 metres – thousands of metres above its normal living range, prompting an international team led by researchers from the mainland to calculate the plateau had risen by up to 3,000 metres since the flower was alive. ([South China Morning Post](#)).

China Launches New Climate Prediction Prototype

A numerical simulation prototype system that could one day help predict natural disasters debuted in Beijing, the first of its kind to be made by China. The current iteration can be used by Chinese scientists to support research into short-term climate prediction, and dust and haze control.

The high-performance prototype, which was developed under the lead of the Institute Atmospheric Physics with the Chinese Academy of Sciences (CAS), is capable of producing a numerical simulation of Earth, and features a support framework and visualization system. This prototype system is the first step toward a full simulator, according to the CAS. Climate and eco-system changes have become a global scientific problem.

According to statistics with China Meteorological Administration, some 70 percent of all natural disasters are directly related to climate conditions. About 400 million people are affected annually by major climate disasters in China. ([CAS Newsroom](#)).

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Transport (including aeronautics)

BMW, Potevio Partners on Building EV Charging Pillars

BMW and Chinese firm Potevio have established a partnership on building EV charging pillars in China. Under the partnership, BMW will initially build 500



charging pillars in Beijing, Shanghai, Guangzhou, and Shenzhen this year, and expand the figure to 1,000 by 2016. ([China News](#), in Chinese)

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Socioeconomic sciences & the humanities, archaeology & paleontology

Ancient tomb found in north China

Chinese archaeologists discovered a burial tomb for a noble that could date back to the Liao Dynasty (916 to 1125 AD), in north China's Inner Mongolia Autonomous Region, authorities said Friday (*25 September*). The tomb, 300 meters from the tomb of a concubine, is in Duolun county, according to the regional institute of archaeology. The Liao Dynasty was founded by the Khitan tribes and ruled the northern part of China. ([Shanghai Daily](#))

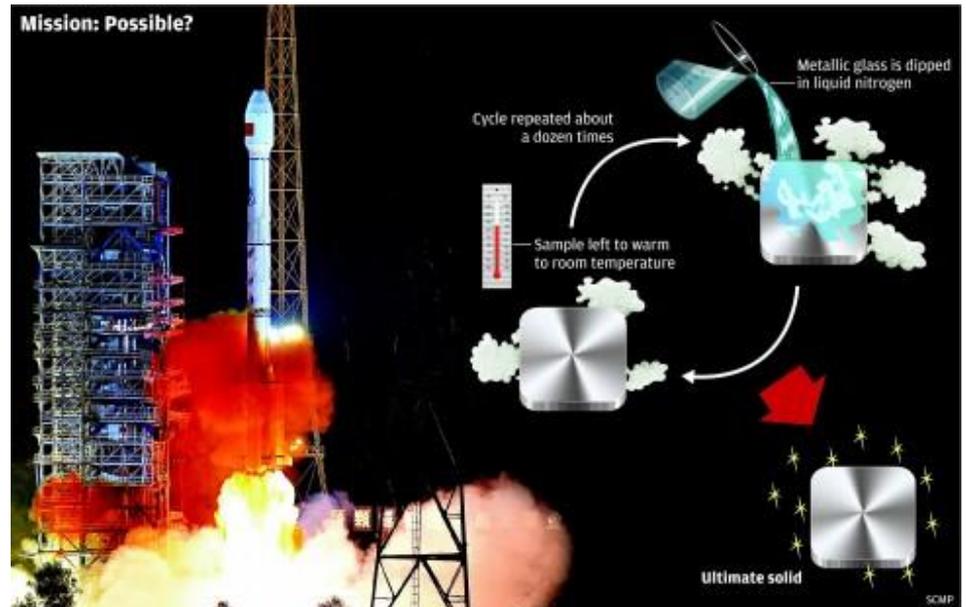
Number of young bachelors to soar after 2020

The Chinese population has lost its gender balance, with the male population far outnumbering the female population. Experts predict that the number of Chinese bachelors will likely soar after 2020. Experts say the gender gap, if left unchecked, may lead to social problems such as early marriages, extramarital affairs, abductions of females and sexual crimes. ([China Daily](#))

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Space

'Metallic glass' stronger than titanium could be used to build next-generation spacecraft



A breakthrough discovery made by a Chinese-led international research team has raised hope for the development of a super-light, incredibly strong metal that could dramatically change the space race.

Metallic glass or amorphous metal has long been a hot candidate for next generation spacecraft construction.

The material is formed by rapidly cooling to a solid state, which gives it a random atomic structure closer to that of glass than other metals or alloys. This structure enables it to be very light but also strong, ideal for building spacecraft. ([SCMP](#))

Key parts added to massive radio telescope

The installation of reflectors on the world's largest radio telescope has begun, marking the start of a final key stage of the telescope's construction.

Located in a natural valley of Southwest China's Guizhou province, the 500-meter aperture spherical radio telescope, known as the FAST Project, had its first reflecting unit installed in early August.

Wuchang Shipbuilding Industry Group, a company in Hubei province responsible for installing the reflectors, said the reflector surface, with a diameter of 500 meters, consists of 4,450 reflecting units. About 20 units can be installed a day, and the installation is due to be completed by March next year.

FAST is a key national project and received funding of 1.2 billion yuan (\$190 million) when construction began in 2011.

Zhang Haiyan, deputy director of the FAST Project's general office, said the telescope will take the place of the 305-meter-diameter Arecibo Observatory in Puerto Rico as the largest of its kind in the world.

The sensitivity of the telescope will be more than 10 times stronger than that of a 100-meter telescope near Bonn, Germany, Zhang said. Scientists believe



more discoveries and breakthroughs are expected after construction is completed in September 2016. ([China Daily](#))

China aims to be first to land on far side of moon

BEIJING - China is planning to be the first country to land a lunar probe on the far side of the moon, a Chinese lunar probe scientist said Tuesday.

The mission will be carried out by Chang'e-4, a backup probe for Chang'e-3, and is slated to be launched before 2020, said Zou Yongliao from the moon exploration department under the Chinese Academy of Sciences at a deep-space exploration forum Tuesday.

Zou said government organs have ordered experts to assess the plan over the past 12 plus months. "China will be the first to complete the task if it is successful."

The State Administration of Science, Technology and Industry for National Defense announced earlier this year that Chang'e-4 will be launched before 2020. ([China Daily](#)).

China to Build High Altitude Observatory to Monitor Cosmic Rays

China will invest more than one billion yuan (about 157 million U.S. dollars) to build a high altitude observatory in the southwest to monitor cosmic rays, local authorities said.

The observatory, the second of its kind in China, will be built in the Tibetan Autonomous Prefecture of Garze in southwest China's Sichuan Province, said Cao Zhen, a research fellow with the Institute of High Energy Physics (IHEP) under Chinese Academy of Sciences.

The Garze government and IHEP inked an agreement that will see the observatory built on Haizi Mountain in Daocheng County, where the average altitude is 4,410 meters.

"With an acute gamma ray detector, it is the world's second most expensive cosmic ray observatory, after the IceCube Neutrino Observatory in Antarctica," said Cao Zhen.

The observatory will be able to cover an area of one million square meters, detecting rays whose energy range from one billion trillion to 10,000 billion trillion volts. Cao didn't give a timetable for construction of the observatory. ([CAS Newsroom](#))

China to Launch First Satellite Detecting Dark Matter in Late 2015

China will launch its first satellite detecting dark matter at the end of this year. The satellite will help promote the development of China's space science ([China News](#), in Chinese)



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People & Higher Education

Talented returning Chinese look to startup companies

Increasing numbers of talented Chinese who have studied or worked overseas are choosing to start a business in a less-developed inland province, driven by local governments' policy and funding efforts. About 1.8 million Chinese who studied or worked overseas returned to the Chinese mainland up to earlier this year. Among those, half chose to start their own enterprises, Guangming Daily reported in July, quoting statistics from the Ministry of Education. ([China Daily](#))

Students' satellite launched into space

Among the 20 satellites launched on the maiden flight of the Long March 6 rocket was a nano-satellite designed, developed and controlled independently by college students.

The Lilac 2, weighing 12 kilograms, can collect information about the location and speed of ships and airplanes, and its infrared camera can monitor extreme weather and forest fires. The multidisciplinary project required a team of 40 undergraduates, postgraduates and doctoral students from eight fields, including aeronautics, mechanics and computing.

Their average age is 24; the youngest is 20. ([China Daily](#))

Students' compulsory military training loses rigour

More than seven million students about to enter China's universities are undergoing several weeks of intense annual military training that is compulsory for all students, male and female. But the purpose of military training for students is changing, as students and others consider whether the gruelling routines are really necessary. ([University World News](#))

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Research Infrastructures

IAP Extends further Cooperation with China's First Commercialized CSP Station

How can science be translated into technology and then benefit society? How do scientists work with stakeholders such as industry? These questions have been bothering scientists who are known for sitting in the "Ivory Tower".



Delingha SUPCON 50MW Tower Plant is the first commercialized CSP (Concentrating Solar Power) station in China. Since the first 10 MW phase of the project was connected to electricity grid in July 2013, it has been operated successfully and stably for more than two years. ([CAS Newsroom](#))

China's Largest Dairy Producer Signs Research Agreement With Cornell

Inner Mongolia Yili Industrial Group (Yili Group), the largest dairy producer in China and one of the top ten dairy producers in the world, has signed a research agreement with Cornell University. The agreement is expected to be the first of many between the two institutions, considered to be among the world's leaders in food and dairy technology. The Yili Group will fund research into developing a soy-based cheese for the Chinese market, among other research programs. ([Asian Scientist](#))

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International S&T relations

China, Chile Inaugurate Joint Astronomical Data Center in Santiago

The China-Chile Joint Astronomical Data Center was inaugurated Tuesday at the Federico Santa Maria Technical University (UTFSM) in Santiago.

In ten years, Chile will have gathered close to 70 percent of the world's astronomical observation capacity, making it the uncontested global capital for this discipline, said UTFSM Rector Darcy Fuenzalida at the inauguration ceremony. The agreement to establish the data center was signed in May during Chinese Premier Li Keqiang's visit to Chile, said Li Baorong, the Chinese ambassador to Chile. He said it would be jointly developed by the UTFSM, the Chinese Academy of Sciences and the Chinese telecommunications giant, Huawei. Li expressed confidence that the center will boost astronomic studies both in China and Chile. ([CAS Newsroom](#)).

New Spotlights of China's Cooperation with US, EU, and Russia in Technological Cooperation

This article introduces new spotlights of China's cooperation with the United States, Russia, and Germany in the field of technological cooperation. For instance, China has become the fourth nation that has taken part in EU's Horizon 2020 programme. ([163.com](#), in Chinese)

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About this newsletter

EURAXESS LINKS CHINA NEWSLETTER is a monthly electronic newsletter, edited by EURAXESS Links China, which provides information of specific interest to European researchers and non-European researchers in China who are interested in the European research landscape and in conducting research in Europe or with European partners.

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Editors: Andrea Střelcová, EURAXESS Links China Country Representative, and Halldor Berg Hardarson, Support Officer

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EURAXESS Links China is a networking tool for European researchers active in China and for Chinese researchers wishing to collaborate and/or pursue a career in Europe. EURAXESS Links China provides information about research in Europe, European research policy, opportunities for research funding, for EU-China and international collaboration and for trans-national mobility.

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