Dear colleagues!

This month’s “EU Insight” highlights the launch of the new global university ranking called U-Multirank – first of its kind in the history of the European Union with an invested budget of 2 million EUR.

EURAXESS Science Slam 2014: we have opened the submission process for the short 3 min videos as of May 15 and will keep it open until August 10. You have a choice of either posting a link to your video to our Facebook page, or LinkedIn group, you can also use the option of sending it via DropBox or e-mailing it directly to northamerica@euraxess.net. All the necessary information about the rules and conditions can be found on our website. Are you still not sure, what a science slam is? Watch our trailer for the EURAXESS Science Slam here! The main idea behind this event is to show how well you can communicate your scientific project to an audience of non-experts. Don’t hesitate and send us your video NOW! The first prize is definitely worth trying for: a trip to Europe, a professional science communication training and a meeting with a research institute of your choice!

Despite of most semesters having ended already, we still inform you about many fellowships, grants and job opportunities offered by the EU member states and associated countries in the “Grants & Fellowships” section. Take your time to look at them and plan your future career step.

Let us know your comments, request and suggestions anytime.

Enjoy reading it!

EURAXESS Links North America Team
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1 EU Insight – Launch of U-Multirank

A new global university ranking tool, U-Multirank, which assesses the performance of more than 850 higher education institutions worldwide, was launched by the European Commission (EC) on May 13, 2014.

With U-Multirank, the universities are tested against up to 30 separate indicators and rated in five performance groups: teaching and learning, research, international orientation, knowledge transfer and regional engagement.

As a multidimensional ranking tool, U-Multirank demonstrates the diversity of university profiles in the international context for the first time. It provides no composite overall scores, as the adding and weighting of scores to one overall score, leads to a loss of transparency.

The European Commissioner for Education, Culture, Multilingualism and Youth, Androulla Vasiliou said:

"We are proud of our world-class higher education, but we need many kinds of universities, catering for a wide range of needs; that means strong technical and regional universities just as much as outstanding research universities. U-Multirank highlights many excellent performers that do not show up in current, research-focused, global rankings- including more than 300 universities that have never appeared in any world ranking until now."

Results show that while over 95% of institutions achieve an ‘A’ score on at least one measure, only 12% have more than 10 top scores. Of the 850 universities in the ranking 62% are from Europe, 17% from North America, 14% from Asia and 7% from Oceania, Latin America and Africa.

U-Multirank is a flexible learning tool for students, academics, policy-makers and administrators looking for information to support decision-making. At this stage it covers four subject areas, namely business studies, mechanical engineering, electrical engineering and physics. Fields of study to be included in 2015 are psychology, computer science and medicine. Another target for 2015 is also to increase the number of institutions in U-Multirank to a total of 1000-1100 universities.

The U-Multirank project receives seed funding through the European Commission's Lifelong Learning Programme (now Erasmus+) for an initial period of two years (2013-2015) totaling €2 million with the option of an extension for a further two years (2015-2017). The goal is for an independent organization to manage the ranking on a sustainable funding model thereafter.

The initiative originated at a conference under the 2008 French Presidency of the European Union, which called for a new methodology to measure the different dimensions of excellence of higher education and research institutions.
in Europe and in an international context. Subsequently, the EC commissioned a feasibility study on a multi-dimensional ranking in 2011.

An independent consortium led by the Centre for Higher Education (CHE) in Germany and the Center for Higher Education Policy Studies (CHEPS) in the Netherlands compiled the new ranking. Other partner organisations include the Centre for Science and Technology at Leiden University (the Netherlands), Catholic University Leuven (Belgium), academic publishers Elsevier, the Bertelsmann Foundation, the student advice organisation Push and software firm Folge 3.

Sources:
[1] U-Multirank website
[5] Presentation on U-Multirank from the European Commission
2 News & Developments

2.1 EU and Member States

2.1.1 Commission welcomes EU Member States' approval of multi-billion euro innovation partnerships

The European Commission has welcomed today's final adoption by EU Member States of nine public-private and public-public research partnerships worth up to €20 billion. The partnerships had already been approved by the European Parliament on 15 April. Most of the investment will go to five public-private partnerships in innovative medicines, aeronautics, bio-based industries, fuel cells and hydrogen and electronics. The decision paves the way to launch these partnerships, with first calls for projects expected on 9th July. EU Member States are expected to formally adopt related partnerships on rail transport and air traffic management (Single European Sky Air Traffic Management Research) worth an additional €2 billion in the coming weeks.

More information

2.1.2 From sunlight to jet fuel: EU project makes first "solar" kerosene

An EU-funded research project called SOLAR-JET has produced the world's first "solar" jet fuel from water and carbon dioxide (CO2). Researchers have for the first time successfully demonstrated the entire production chain for renewable kerosene, using concentrated light as a high-temperature energy source. The project is still at the experimental stage, with a glassful of jet fuel produced in laboratory conditions, using simulated sunlight. However, the results give hope that in future any liquid hydrocarbon fuels could be produced from sunlight, CO2 and water.

More information

2.1.3 Ushering in a new era of space flight

Many children dream of becoming an astronaut, yet only a few ever see that dream realised. That may soon change, thanks to the European Union (EU)-funded project, Future High-Altitude High-Speed Transport 20XX (FAST20XX). Run by a European consortium, which was led by the European Space Agency (ESA), the project investigated and developed technologies to conquer the grey zone between aeronautics and space in Europe.

More information

2.1.4 Light-sensitive buildings to reduce air pollution

Improving air quality is a major challenge facing all European countries, both in order to combat climate change as well as to minimise the direct effects of breathing polluted air on human health.

More information
2.1.5 EU eyes oceans innovation as source of sustainable growth

Two thirds of our planet is covered by oceans and seas. If we manage them in a responsible manner, they can provide sources of food, medicine and energy while protecting ecosystems for generations to come. However, in order to make this possible, we need to know more about our seas and oceans. The Commission has therefore today presented an Action Plan for Innovation in the 'Blue Economy' to help use ocean resources sustainably and drive growth and jobs in Europe.

More information

2.1.6 Tapping into a new source of water - flue gas

What does a coal-fired power plant produce? Well, electricity, of course, but it could also supply clean water. And so could many other types of factory. Technology developed by the EU-funded CapWa project extracts water from flue gas - more, in some cases, than was initially brought in. It also saves energy.

More information

2.1.7 Revolution in rail technology promises to boost EU competitiveness

The successful testing of a 1.5 km-long freight train by an EU-funded project shows that Europe is on the right track when it comes to cost efficient, flexible and environmentally friendly solutions to the competitive demands of the 21st century.

More information

2.1.8 The way of the future: 'swarming' robots

E.VOLVINGROBOT is a European Union (EU)-funded research project which has developed an artificial intelligence system to control tiny robots, enabling them to replicate the 'swarming' behaviour seen in insects such as bees or ants, or even in birds and fish. It is an innovation which could have far-reaching implications for a range of human activities, from medical to industrial, military and disaster relief.

More information

2.1.9 A global forum for food and fuel forestry

The Kyoto Protocol was one of the first major international treaties that focused on human caused climate change. Signed in 1997 by 192 countries, it came into effect in 2005 with a set of legal requirements for industrialised nations to reduce their greenhouse gas emissions. One aspect of the Protocol is the Clean Development Mechanism (CDM), which enables developed nations to reach their emissions targets by sponsoring emissions-reducing projects in the CDM countries - namely China, India, Brazil and most of Africa.

One of these emissions-reducing initiatives was the European Union (EU)-funded BENWOOD project. Project Coordinator and Director of Energieautark Consulting in Vienna, Thomas Lewis, perceived a "lack of exchange" between
agroforestry scientists and practitioners of Short Rotation Forestry (SRF) in Europe and elsewhere. Combining crops with trees and shrubs, agroforestry improves yields and biodiversity and it is practiced worldwide.

Read more: European Commission

2.1.10 Developing high-efficiency lasers to manufacture solar panels

As the world continues its efforts to combat climate change and to move away from its dependence on fossil fuels, solar energy looks set to become an important technology for the future.

The manufacturing of solar energy panels is therefore likely to grow into a significant industry, offering large rewards for whoever can establish an advantage. The aim of the European Union (EU)-funded ALPINE project was to develop new laser techniques which would enhance the manufacturing of solar energy panels, making them more efficient and less expensive than anything currently available.

The project could have multiple benefits – not only boosting Europe’s leadership position in lasers and in the photovoltaic (PV) industry, but also delivering environmental benefits through the development of improved methods for harnessing solar energy.

Read more: European Commission

2.1.11 Factories of the future: assembly-line machines do their own ‘thinking’

A major consumer of time and money in the manufacturing of aircraft, motor vehicles, electronic equipment and other products is adapting assembly lines to produce different sizes, shapes and styles of such complex items. Work must stop along the line while machines are reconfigured to change how raw materials are cut, holes are drilled, and rivets are punched into place.

Each machine in a factory needs to be equipped with specific instructions – a sort of recipe – to carry out a certain task in a certain way. This decades-old technique could be on the verge of changing. An EU-funded project has developed assembly-line machines that can do their own “thinking.” Peschl coordinated the XPRESS project - short for “Flexible Production Experts for Reconfigurable Assembly Technology.”

Read more: European Commission

2.1.12 Help for failing eyesight

The EU-funded CREST project is tackling the debilitating effects of age-related macular degeneration, a condition that affects a high proportion of older citizens. But the results could have far-reaching implications for the normally sighted as well, enabling what some have called ‘super-vision’.

Age-related macular degeneration (AMD) is a medical condition involving damage to the retina. It is the leading cause of blindness in the developed world, usually affecting older adults. “Nutritional pigments at the back of the eye...
are central to understanding AMD,” explains Professor John Nolan of the Waterford Institute of Technology. In 2011, he was awarded a European Research Council (ERC) Starting Grant for the CREST project, aimed at measuring the impact of these substances on vision.

Read more: European Commission

2.1.13 The telltale blood of schizophrenics

It can take a long time for schizophrenia sufferers to receive the treatment they need – partly because diagnosis is not necessarily straightforward. Many of the symptoms could just as easily be caused by other disorders. A revolutionary blood test developed by EU-funded researchers helps doctors to make the right call.

The EU-funded SchizDX project has developed the world’s first blood test for schizophrenia. This breakthrough dramatically reduces the time needed to confirm suspected cases and provide treatment.

Finding the best combination of drugs for individual patients is another key challenge in the treatment of this disorder. Currently, the process can take months or even years. In time, SchizDX’s results could help speed this up as well.

Read more: European Commission

2.1.14 Helping premature babies breathe normally

Premature newborn babies frequently suffer from difficulties in breathing during their first weeks of life, a condition known as respiratory distress syndrome. In such cases, they are normally given oxygen therapy with the aid of an airway pressure machine or a ventilator.

However, this treatment can stop the normal lung development and can trigger a major complication known as bronchopulmonary dysplasia, or BPD. In the United Kingdom the overall incidence of BPD is reported at about 20% of ventilated newborns; in the US it is estimated to cost over $ 2.4 billion per year.

To address the BPD problem, the European Union (EU)-funded NEUROSIS project, led by Tübingen University Hospital in Germany, is conducting one of the largest randomised and controlled studies of the breathing problems of premature babies ever done in Europe.

Read more: European Commission

2.1.15 Making buildings more sustainable to improve health and comfort

How buildings can affect a person's health is often overlooked, despite the fact that people spend an average of 90 per cent of their time indoors—whether in homes, offices or other spaces.

Though often taken for granted, healthy and comfortable indoor environments are in the interest of everyone – families, employees and children alike. To further these goals, the European Union (EU)-funded project Clear-up has
developed designs for healthy homes and workplaces that also deliver environmental benefits.

When inside, a person’s primary needs are ample amounts of daylight and fresh air as well as exposure to the right temperature. For society at large, sustainability is also identified as a key priority. The Clear-up project team developed techniques to fulfill all these needs affordably while also reducing energy consumption and using environmentally sustainable materials.

Read more: European Commission

2.1.16 Self-healing concrete lives longer

Small cracks in concrete are hard to avoid. These tiny fissures are no immediate threat to safety, but they can affect a building’s durability: water seeping in can corrode reinforcements, for example. Millions of euros could be saved every year in maintenance if concrete could be designed to repair itself. EU researchers are working on it.

Healcon set out in 2013 to select and improve promising techniques for the production of concrete that will automatically fill any small cracks forming throughout its lifetime. One year on, the team has already found ways to tackle several of the complex challenges associated with the chosen experimental approaches.

Read more: European Commission

2.1.17 How fish DNA tests can trace illegal catches

Several fish stocks are at risk of collapsing almost everywhere around the world and a large part of the problem is down to illegal catches.

But a recent research project, funded by the European Commission, found a way to improve control and enforcement of regulations against these practices by using genetic markers to trace the exact location where the catches were pulled out of the sea.

The project, FishPopTrace, offers a cost effective and reliable DNA test that could give the authorities the means to identify illegally caught fish. Started in 2008, the project built a forensics database for Europe’s four important exploited species: cod, hake, sole and herring.

Read more: European Commission

2.1.18 Advising researchers on how to balance science and ethics

Although science is often seen as a discipline concerned with hard facts, it can be difficult to separate research from its ethical, social and political setting. Researchers struggling to balance science with ethics can now count on advice from a European project, EGAIS, that looked at how best to handle the wider ethical context.

EGAIS researchers identified ethical governance approaches after they examined the EU’s monitoring of ethical aspects of emerging technologies, including ICT research projects. The team then made suggestions on improving
ethic governance by taking account of rules, values and contexts related to each new technology in a multi-faceted approach.

Read more: European Commission

2.1.19 Finalists gear up for European Inventor Award 2014

Fifteen inventors of ground-breaking technologies will gather in Berlin next month to vie for prizes at the European Inventor Award 2014.

Finalists include top scientists, engineers and inventors in the fields of biotechnology, construction, environment, mechanics, medical technology, pharmaceuticals, telecommunications and traffic safety.

An international jury has whittled down the original 300 candidates to 15 inventors and inventor teams. All of the finalists have developed technologies that contribute towards social, technological and economic progress.

Presented by the European Patent Office (EPO), the European Inventor Award honours inventive individuals and teams whose pioneering work provides answers to the challenges of our age and contributes to social progress, economic growth and prosperity. EPO President Benoît Battistelli notes, 'The genius of these inventors underlines Europe's role as a prime hub of innovation, fostering the successful deployment of new technologies from all over the world.'

Vote online for your favourite inventor to win the ‘Popular Prize’.

More information: European Patent Office

2.1.20 ‘Science Hub’ – the new portal bringing together scientific knowledge for Europe

The newly launched ‘Science Hub’ brings together, on one single platform, all scientific knowledge produced by the European Commission’s in-house science service - the Joint Research Centre (JRC) - and its research institutes across Europe. The Science Hub enhances the transparency and openness of the European Commission's in-house science service and facilitates the open access policy of our scientific research. The Hub is a gateway to ten science areas and a variety of related research topics.

Access to the new website: JRC Science Hub

2.1.21 Updated Horizon 2020 country factsheets

The Horizon 2020 Framework Programme for Research and Innovation European Union country factsheets have been updated with the latest figures including new data on:

- Innovation Output Indicator position
- SME participation
- The number of ERC Principal Investigators
- The number of Marie Skłodowska-Curie Actions Fellows
- Top 10 beneficiaries in each country

These fact sheets give an overview of the research & innovation landscape of the 28 EU member states. It includes country profiles and featured projects in each country.
Read more: [Horizon 2020](#)

2.1.22 Uniting 6 000 researchers to crack medicine’s toughest nuts – Michel Goldman

The challenge of tackling some diseases is too great for just one institution, company or country. The Innovative Medicines Initiative (IMI) is showing that by bringing people together, real progress can be made, according to Professor Michel Goldman, the initiative’s executive director.

[More information](#)

2.1.23 New studies published: support the international cooperation strategy for research and innovation

[More information](#)

2.1.24 Interview with Anne-Marie Imafidon – Founder of Stemettes, an organisation which encourages girls to get into STEM subjects

[More information](#)

2.1.25 Have your say on Future and Emerging Technologies! – Public consultation open until 15 June 2014

Do you have a great idea for a new technology that is not possible yet? Could it become real if Europe's best minds were put on the task? Share your view and the European Commission can make it happen via the Future and Emerging Technologies (FET) programme.

[More information](#)

2.2 Canada

2.2.1 NRC and NASA collaborate to test alternative fuels

The National Research Council of Canada (NRC) has signed a collaborative agreement with the National Aeronautics and Space Administration (NASA) to study the atmospheric effects of emissions from jet engines burning alternative fuels. With this cooperative work, NRC will take part in NASA's ACCESS II project, the Alternative Fuel Effects on Contrails and Cruise Emissions.

Beginning tomorrow, the ACCESS-II experiments will be staged from NASA's Armstrong Flight Research Center in Edwards, California. Testing will involve the deployment of NRC's CT-133 aircraft to Palmdale, California, to fly alongside aircrafts from NASA and the German Aerospace Center. The objective of the experiments is to obtain inflight airborne emission measurements and contrail characteristics from aircraft burning both conventional jet fuel and blended alternative fuels.

The collaboration on ACCESS-II will result in the collection of complementary and unique flight test data that will be shared and reported to the International Forum for Aviation Research. This important research will aid in the qualification and ready acceptance of the use of biofuels in aviation and open the door to future collaborations on alternative fuels tests.
2.2.2  Canada's MOST astronomy mission comes to an end: Suitcase-sized space telescope wraps up observing after more than a decade of discoveries

After more than ten years of studying the Universe, the Canadian Microvariability and Oscillation of STars (MOST) mission will come to an end on September 9, 2014, having exceeded its objectives. Since its launch in 2003, MOST has produced over one hundred science publications and provided astronomers with new insights into the behaviour of stars. Originally planned as a one-year project, MOST was extended annually due to the telescope's continued successes. The suitcase-sized telescope will leave a prolific legacy of data for astronomers to analyze.

2.2.3  New laser amplification concept developed at INRS: Simplifying an ultrafast laser offers better control

Going back to the drawing board to find a way to overcome the technical limitations of their laser, a team led by François Légaré, professor at the INRS Énergie Matériaux Télécommunications Research Centre, developed a new concept offering a simpler laser design, control over new parameters, and excellent performance potential. Called “frequency domain optical parametric amplification” (FOPA), the concept supersedes traditional time domain amplification schemes that have been the linchpin of ultrafast laser science for 20 years. The new concept is explained in detail in an open access article in Nature Communications.

2.2.4  For Energy Conversion, Saving and Storage: INRS launches the UNESCO Chair

INRS is proud to announce the launch of the UNESCO Chair on Materials and Technologies for Energy Conversion, Saving and Storage (MATECSS). Established at the Énergie Matériaux Télécommunications Research Centre (EMT), the chair is part of a North-South/South-South initiative to promote access to sustainable energy for all. The kic-off for this prestigious chair will take place on April 10, 2014, at the Fairmount Queen Elizabeth Hotel. INRS rector Daniel Coderre and Federico Rosei, professor, EMT centre director, and first chairholder, will welcome numerous dignitaries and collaborators, including John C. Polanyi, a winner of the Nobel Prize in Chemistry.

2.3  United States of America

2.3.1  International Space Station Science, New Crew Mission highlighted in Back-to-Back NASA TV Programs

Scientific research to prepare astronauts to venture farther into the solar system than ever before and provide real benefits to life on Earth happens every day.
aboard the International Space Station (ISS). Starting at 3:30 p.m. EDT Wednesday, May 21, join NASA, the current space station commander and a panel of experts as they discuss current and future research aboard this one-of-a-kind orbiting laboratory.

The discussion, entitled "Destination Station: ISS Science Forum," will air live on NASA Television and the agency's website from NASA’s Johnson Space Center in Houston. The dialogue is open to members of the research and science community, the media, students and social media followers. This will be the first in a new series of public discussions dedicated to science aboard the station.

More information

2.3.2 New data show how states are doing in science Updated tool lets users compare states on education and R&D

The newly updated, online, interactive state data tool allows policymakers, educators and other users to discern trends in education, science and research in each of the 50 states. This free resource supplements the state data in the 2014 Science and Engineering Indicators report, the premier source of information and analysis of the nation's position in science and engineering education and research. The biennial report is published by the National Science Board, the policy making body of the National Science Foundation (NSF).

More information

2.3.3 Moving towards a more robust, secure and agile Internet

NSF announces $15 million in awards to develop, deploy and test future Internet architectures

Today, the National Science Foundation's (NSF) Directorate for Computer and Information Science and Engineering (CISE) awarded $15 million to support three, multi-institutional projects that will further develop, deploy and test future Internet architectures.

These pilot networks are designed to enhance security, respond to emerging service challenges and enable the scalability of the information infrastructure upon which Internet users increasingly rely.

The investments continue NSF’s longstanding commitment to foundational research on Internet technologies. In particular, today's awards seek to build upon the success of projects that were initially funded in 2010 through the NSF Future Internet Architectures (FIA) program.

The objective of the new awards is to move the FIA efforts from the design stage to piloted deployments that assess how the designs work at large-scale and within challenging, realistic environments. Cities, non-profit organizations, academic institutions and industrial partners across the nation will collaborate with researchers to test the new designs.

More information
2.3.4 Early Career Scientists and Engineers receive highest honor from the White House: Twenty NSF-funded scientists recognized for strengthening America’s scientific enterprise

On Monday, 102 men and women received the United States government's highest honor for scientists and engineers in the early stages of their independent research careers--the Presidential Early Career Award for Scientists and Engineers (PECASE). The National Science Foundation (NSF) nominated 20 of the awardees.

They received their awards from NSF Director France Córdova at a morning ceremony presided over by John P. Holdren, assistant to the president for science and technology and director of the Office of Science and Technology Policy.

The awardees come from universities around the country and excel in research in a variety of scientific disciplines: biology, computer and information sciences, education and human resources, geosciences, the physical sciences including mathematics, chemistry, physics and materials research, engineering and social, behavioral and economic sciences.

More information

2.3.5 The National Climate Assessment

On May 6, the Administration released the Third U.S. National Climate Assessment, the most authoritative and comprehensive source of scientific information to date about climate-change impacts across all U.S. regions and on critical sectors of the economy.

The report, a key deliverable of President Obama's Climate Action Plan, confirms that climate change is not a distant threat — it's affecting us now.

More information
Also Watch: Inside the White House -- Solar Panels on the Roof Edition

3 Grants & Fellowships

3.1 Europe

3.1.1 Marie Skłodowska-Curie research fellowships

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<th>Calls</th>
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<td>INNOVATIVE TRAINING NETWORKS (ITN)</td>
<td>2013-12-11</td>
<td>2014-04-09</td>
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<td>Individual Fellowships (IF)</td>
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<td>2014-09-11</td>
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</table>
ITN supports competitively selected joint research training and/or doctoral programmes, implemented by partnerships of universities, research institutions, research infrastructures, businesses, SMEs, and other socio-economic actors from different countries across Europe and beyond.

The Individual Fellowships support the international mobility of researchers within and beyond Europe. These fellowships are open to researchers of all nationality and in all areas, who, at the time of the relevant deadline for submission of proposals, are in possession of a doctoral degree or have at least four years of full-time equivalent research experience.

3.1.2 Marie Skłodowska-Curie actions: Pocket guide

Considering a doctoral degree? Looking for partnerships between academic and non-academic organisations or staff exchanges? Keen on outreach activities? There is a Marie Skłodowska-Curie action for you. The EU's Marie Skłodowska-Curie actions fund all kind of opportunities for researchers from Europe and beyond. This starter booklet gives you the needed information to make the right first choice.

Guide available for downloading or on-line reading [here](#)

3.1.3 Fulbright-Schuman Program

The Fulbright-Schuman Program, administered by the Commission for Educational Exchange between the United States and Belgium, is jointly financed by the U.S. State Department and the Directorate-General for Education and Culture of the European Commission. The program funds graduate and post-graduate study, research, and lecture proposals in the field of US-EU relations, EU policy, or EU institutions for interested American and EU citizens.

[More information](#)

3.1.4 European Research Council Grants

Researchers from anywhere in the world can apply for a European Research Council (ERC) grant to go to Europe and conduct research (for at least 50% of their working time). Currently over 300 ERC grantees out of nearly 4,000 are non-Europeans. Research teams set up by ERC grantees are highly international – an estimated 20% of team members are non-Europeans.

Open call:
- [ERC Proof of Concept](#) | ERC-2014-PoC

**Deadline Date:** 1 October 2014

Forthcoming call:
- [ERC Advanced Grant](#) | ERC-2014-AdG

**Deadline Date:** 21 October 2014
3.1.5 Jean Monnet Postdoctoral Fellowships

The Robert Schuman Centre for Advanced Studies (RSCAS) offers one or two year fellowships to post-docs in an early stage of their academic career. Priority will be given to proposals that fit well with one or more of the Centre’s core research themes: European Institutions, Governance and Democracy, Migration, Economic and Monetary Policy, Competition Policy and Market Regulation, Energy Policy and Climate Policy, Global Governance & International and Transnational Relations of the EU.

**Deadline Date: 31 October 2014**

More information

3.1.6 EMBO: Fellowships

Young scientists actively seek EMBO Long-Term Fellowships for postdoctoral research to fund and support their internationally mobile careers. Hundreds of scientists also benefit each year from EMBO Short-Term Fellowships, returning to their home laboratories with new skills as well as contacts for future collaborations.

**Short-Term Fellowships** – applications accepted throughout the year

**Long-Term Fellowships** – next deadline: **15 August 2014**

3.1.7 European Respiratory Society/EU RESPIRE2 post-doctoral Marie Curie Fellowship

ERS/EU RESPIRE2 post-doctoral Marie Curie Fellowship opportunities in the broad field of respiratory science, co-funded by the European Union. The programme is aimed at experienced researchers from any discipline and will help fellows to become the future leaders in respiratory research.

**2nd round: 31 October 2014** (call to be launched during summer 2014)

More information

3.1.8 National EURAXESS portals

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

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

Besides providing information on funding opportunities for incoming international and European researchers, staff at the EURAXESS Service Centres offer individual assistance on all aspects of researcher mobility.
3.2 EU Member States and Associated Countries

3.2.1 Austria: Lise Meitner Program for Scientists from Abroad

Target group: Highly qualified scientists of any discipline who could contribute to the scientific development of an Austrian research institution by working at it.

Requirements:
- completed doctoral studies
- international scientific publications
- no age limit
- invitation from an Austrian research institution.

No deadline – call constantly open.

More information

3.2.2 Austria: IST FELLOW*: Call for Postdoctoral Fellows

Are you a talented, dynamic, and motivated scientist looking for an opportunity to conduct research in the fields of BIOLOGY, COMPUTER SCIENCE, MATHEMATICS, PHYSICS, or NEUROSCIENCE at a young, thriving institution that fosters scientific excellence and interdisciplinary collaboration?

Apply to the ISTFellow program. Deadlines March 15 and September 15.

More information

- IST FELLOW is partially funded by the European Union

3.2.3 The Austrian Science Fund and funding categories

The Austrian Science Fund (FWF) is Austria's central funding organization for basic research.

The purpose of the FWF is to support the ongoing development of Austrian science and basic research at a high international level. In this way, the FWF makes a significant contribution to cultural development, to the advancement of our knowledge-based society, and thus to the creation of value and wealth in Austria. One of the FWF's most important goals is to promote the internationalisation of basic research in Austria by taking special organisational measures, creating suitable framework conditions, and offering concrete funding instruments for this purpose.

More information

3.2.4 Belgium: Research Foundation Flanders (FWO) International Mobility

The FWO encourages mobility among researchers and international contacts between research groups. For this purpose, FWO offers different possibilities to researchers to go abroad and to build international networks.

More information

3.2.5 Belgium: Postdoc fellowships to non-EU researchers

The stimulation of international mobility and the attraction of researchers from abroad is one of the priorities of the European Research Area.

In this context and intending to stimulate the S&T cooperation, the Federal Science Policy Office (BELSPO) implements a fellowship scheme for highly
qualified non EU researchers (i.e. postdoctoral level or equivalent experience),
granting them an opportunity to work during 6 to 18 months in a Belgian
research team.

More information

3.2.6 Czech Republic: Office of Naval Research: Visiting Scientist
Program (VSP)

VSP is designed to facilitate visits by foreign technologists with Department of
the Navy counterparts for the purpose of collaboration. The visits are typically to
the United States, but can be to non-U.S. activities of special interest to the
Department of the Navy science and technology community. Along with Liaison
Visits, the Science & Technology Insertion Program is part of the process to
develop international collaborations. Requests should be received at least eight
weeks in advance of the proposed visit.

More information

3.2.7 Denmark: Ministry of Higher Education and Science: PhD
scholarships outside the universities

The Danish Council for Independent Research invites proposals for PhD
scholarships to be carried out at Danish research institutions outside the
universities.

More information

3.2.8 Estonia: Scholarships

The Estonian Government offers a number of scholarships intended for
university students, researchers or lecturers for studying and doing research at
Estonian public universities and institutions. Mostly scholarships are for
master’s degree and doctoral degree, but some bachelor degree scholarships
are also possible.

More information

3.2.9 Finland: CIMO Fellowships

The CIMO Fellowships programme is open to young Doctoral level students
and researchers from all countries and from all academic fields. Master's level
studies or post-doctoral studies/research are not supported in the programme.

There are no annual application deadlines in the CIMO Fellowship programme.
Applications may be considered at all times. However, please note that
applications should be submitted at least 5 months before the intended
scholarship period. Decisions will be made within approximately 3 months after
receipt of application.

More information

3.2.10 France: Overview of research exchange programs

The Office for Science and Technology (OST) located in the French Embassy to
the United States (Washington D.C.) regularly updates an overview of research
exchange programs addressing all categories of researchers in various areas. A
specific section of the OST website contains current calls for proposals, career opportunities, and information on French higher education programs.

More information

3.2.11 Germany: Max Planck Institute for the Study of Sciences: Short-term Internships

Applicants are expected to have a serious interest in the social sciences and above-average study grades. Students of economics and social sciences (BA or MA) should apply by July 1st for the winter semester. Interns are assigned to ongoing projects and gain insights into the institute's areas of research. There are also opportunities to participate in the institute's lectures and seminars. When appropriate, support can be given to interns on their thesis projects. Interns receive a monthly allowance of 400 euros.

Next deadline: 1 July 2014

More information

3.2.12 Germany: Alexander von Humboldt Foundation: German Chancellor Fellowships for Prospective Leaders

The Alexander von Humboldt Foundation offers prospective leaders from Brazil, China, India, Russia and the USA the opportunity to conduct a project as guests of the partner of their choice in Germany.

With the support of their hosts the fellows can spend a year concentrating on a project they have chosen themselves and give their career a boost. German Chancellor Fellowships are open to an array of sectors such as politics, public administration and business as well as society and culture.

Next deadline: 15 September 2014

More information

3.2.13 Freie Universität Berlin offers DRS Incoming Postdoc Fellowships POINT-2015

The “Postdoc International” POINT research fellowship program – co-financed by the German Excellence Initiative and the Marie Curie Program of the European Commission – provides funding for outstanding postdoctoral researchers from all disciplines to conduct their own research project at Freie Universität Berlin. The aim is to support highly-qualified postdocs with international research experience and to integrate them into the university's research networks in an early phase of their career.

The POINT program was designed by Dahlem Research School at Freie Universität Berlin to promote the further academic career development through research funding, a tailored qualification program and the opportunity to develop teaching and leadership skills. The program furthermore provides essential professional guidance on preparing grant proposals to support POINT fellows in obtaining funding for follow-up research projects at Freie Universität Berlin.

Dahlem Research School offers 20 Postdoc Fellowships
Starting in January 2015, each research fellowship will be awarded for 18 months. **Applicants have to submit a project plan based around the research fields/ key topics of the participating Excellence Projects or Focus Areas.**

**Deadline for applications:** 4 July 2014, 12:00 noon (Berlin local time). For further application details please visit the DRS website.

### 3.2.14 GERMANY - DLR-DAAD Research Fellowships in the fields of Space, Aeronautics, Energy and Transportation Research

**DLR – DAAD Research Fellowships** is a new programme implemented by the ‘Deutsches Zentrum für Luft- und Raumfahrt' (DLR) and the ‘German Academic Exchange Service’ (DAAD).

This special programme is intended for highly-qualified foreign doctoral and postdoctoral students as well as senior scientists. DLR-DAAD Fellowships offer outstanding scientists and researchers the opportunity to conduct special research at the institutes of the DLR in Germany.

DLR-DAAD Fellowships are defined and awarded on an individual basis. Each Fellowship announcement will indicate the specific qualification requirements and terms of the visit. The current offers are published under DLR-DAAD Fellowships - Current Offers on the homepages of the DAAD and the DLR. There are currently open positions in Aeronautics; Space; Transportation; Energy. **The application deadline depends on the offer.**

More information

### 3.2.15 IRELAND – Science Foundation Ireland (SFI) Industry fellowship Programme 2014

Science Foundation Ireland (SFI) launched the Industry Fellowship Programme 2014 to develop and support academic partnerships with industry.

The purpose of the Industry Fellowship Programme is to **facilitate exchanges between academia and industry** to stimulate excellence through knowledge transfer and training, thereby building critical mass in areas of strategic importance for Ireland and enabling economic and societal challenges to be tackled.

Fellowships can be awarded to **academic researchers wishing to spend time in industry worldwide and to individuals from industry anywhere in the world (including Ireland) wishing to spend time in an eligible Irish Research Body.**

Fellowships can be for between 1 and 12 months in duration if full time or for up to 24 months if part time. The maximum Industry Fellowship award amount is €120,000 direct costs.

Proposals can be submitted at any time but the deadline for the proposal to be evaluated during the next assessment round is 10th June 2014.
3.2.16 Lithuania: Lithuanian Research Council: Postdoctoral Fellowships

Researchers from Lithuania and abroad who have been awarded a Ph.D. degree within a period of 3 years can apply for Postdoctoral Fellowships. Any higher education institution, research institute, research center or other research establishments and enterprises in Lithuania can act as a Host Institution.

More information

3.2.17 Luxembourg: National Foundation for Research: INTER Mobility Program

The aim of the INTER Mobility Programme is to promote the scientific exchange between research groups of the Luxembourg public research institutions and research groups abroad in order to foster innovative, internationally competitive research and support the exchange of key knowledge and technological know-how. Thus the activities should have a strong impact on the research programme of the Luxembourg research group as well as on the career development of the researcher. The INTER Mobility Programme allows for research stays in both directions (researchers working in Luxembourg to go abroad or for researchers from elsewhere to come to Luxembourg).

Next deadline: 30 June 2014

More information

3.2.18 Malta: University of Malta: Junior Research Fellowships

Junior Research Fellowships are available as part of the Educational and Cultural Affairs Fellowships. Open to doctoral students and recent Ph.D. recipients who are U.S. citizens.

More information

3.2.19 Netherlands: The Royal Netherlands Academy of Arts and Sciences (KNAW): Visiting Professors Program (VPP)

The Visiting Professors Programme enables outstanding foreign researchers to spend time working in the Netherlands. The programme acts as an incentive for Dutch science and scholarship.

Next deadline: 1 November 2014

More information

3.2.20 Norway: Fulbright Norway: The US-Norway Fulbright Grant Program

The U.S.-Norway Fulbright Foundation offers a range of mobility scholarships to students and researchers for stays with Norwegian and American host organizations.
3.2.21 Norway: The American Scandinavian Foundation: Fellowship/Grants to study in Scandinavia

The American-Scandinavian Foundation (ASF) offers fellowships (up to $23,000) and grants (up to $5,000) to individuals to pursue research, study or creative arts projects in one or more Scandinavian country for up to one year. The number of awards varies each year according to total funds available. Awards are made in all fields.

Next deadline: 1 November 2014

3.2.22 Poland: Foundation for Polish Science: KOLUMB – supporting grants

Programme – supporting grants is an additional offer for the KOLUMB programme laureates (till 2009 edition). The aim of the grant is to enable young researchers to take a full advantage of gained knowledge and skills during the further work in Polish research institutions.

Applications accepted on a rolling basis.

3.2.23 Poland: Foundation for Polish Science: IDEAS FOR POLAND

The objective of the program is to encourage young, brilliant researchers from all over the world to choose Poland as the place to carry out their research projects submitted for the ERC competition. The program is designed for people whose previous scientific record demonstrates they are highly independent as researchers and warrants they will conduct world-class quality research.

Applications accepted on a rolling basis.

3.2.24 Slovakia: Ministry of Education, Science, Research and Sport of the Slovak Republic: National scholarship program of the Slovak Republic – Study/Research Stay for PhD Students (1-12 months)

Next deadline: 31 October 2014

3.2.25 Slovakia: Ministry of Education, Science, Research and Sport of the Slovak Republic: National scholarship program of the Slovak Republic – Teaching/Research/Artistic Stay for University Teachers, Researchers and Artists (1-12 months)

Next deadline: 31 October 2014
3.2.26 Spain: IKERBASQUE (Basque Foundation for Science)

Ikerbasque launched a new international call to reinforce research and scientific career in the Basque country.

They offer 15 positions for senior researchers: Ikerbasque Research Professors

- Researchers with a solid research track and leadership capabilities
- The applicants must have their PhD completed before January 2006
- Permanent contract positions within any of the Basque Research Institutions

Next deadline: 10 September 2014

More information

3.2.27 Sweden: Swedish Research Council for Health, Working Life and Welfare: Visiting Researchers

The purpose of funding visiting researchers is to add qualified knowledge and competence to the Swedish research society within Forte’s areas of responsibility. These financial contributions should primarily fund shorter stays (less than six months) for research, consultations, lectures and seminars (also at other institutions than the host institution). Grants for visiting researchers are exclusively for researchers active at non-Swedish research institutions.

More information


Forte has announced SEK 17 million in funding for 1-3 year project grants for healthcare research in 2014.

Next deadline: 12 June 2014

More information

3.2.29 Sweden: Swedish Research Council Formas: The French-Swedish Common Research and Training Program on Climate and Environment

France and Sweden have agreed to establish a framework of research cooperation in the fields of climate change and environment. As part of the cooperation agreement, joint calls will be launched in order to facilitate the cooperation between Swedish scientists and French scientists at Laboratoire des Sciences du Climat et de l’Environnement (LSCE).

Next deadline: 13 June 2014

More information

3.2.30 Sweden: VINNOVA: VINNMER Marie Curie Incoming

The purpose of this call is to support experienced researcher careers through mobility and international collaborations. Experienced researchers of all
nationalities can apply for international mobility to Sweden with project times of 1-3 years.

Next deadline: **16 September 2014**

More information

3.2.31 Turkey: TÜBİTAK: Research Fellowship Program for International Researchers

The Scientific and Technological Research Council of Turkey (TÜBİTAK) grants fellowships for international highly qualified PhD students and young post-doctoral researchers to pursue their research in Turkey in the fields of Natural Sciences, Engineering and Technological Sciences, Medical Sciences, Agricultural Sciences, Social Sciences and Humanities. The program aims to promote Turkey's scientific and technological collaboration with countries of the prospective researchers. Preference will be given to candidates who demonstrate the potential to contribute significantly to Turkey’s goal of international cooperation in scientific and technological development.

Next deadline: **31 October 2014**

More information

3.2.32 Turkey: TÜBİTAK: Fellowships for Visiting Scientists and Scientists on Sabbatical Leave

In order to contribute to the improvement of human resources and the research in Natural Sciences, Engineering and Technology, Medical Sciences, Social Sciences and Humanities (*) at Universities, Research Institutions and Industry in TURKEY, the eminent scientists/researchers are supported to visit to Turkey by giving seminars/conferences/lectures, or doing R&D activities.

Next deadline: **last working day of each month**

More information

3.3 Canada

3.3.1 ERA-Can+ Project: Promoting Canada-EU research

The ERA-Can+ project helps you to identify funding opportunities in Canadian Programs as well as funding opportunities in Europe for Canadian researchers.

More information

3.3.2 Government of Canada: International scholarship

Canada is committed to participation in international study and research partnerships that build understanding among peoples, develop global citizens and leaders, and contribute to the development of nations.

For Canadians: Learn about opportunities for graduate study and research abroad
3.4 United States of America

3.4.1 National Science Foundation: Science Across Virtual Institutes (SAVI)

Science Across Virtual Institutes (SAVI) is a mechanism to facilitate collaboration among teams of NSF-supported U.S. scientists and engineers and their international partners who have complementary strengths and common interests and who wish to form virtual institutes to foster enhanced research collaboration; data sharing; networking; and technical exchanges of students, post docs, and junior faculty across borders.

More information

3.4.2 NSF: Partnerships for International Research and Education (PIRE)

The Partnerships for International Research and Education (PIRE) program seeks to catalyze a higher level of international engagement in the U.S. science and engineering community by supporting innovative, international research and education collaborations.

Deadline: The call for proposal usually opens in mid-June and preproposals are usually due by the end of August.

More information

3.5 Databases and Further Information

3.5.1 Austria: Database of scholarships and research grants available

Austria's most comprehensive database for scholarships and research grants in German and English language offers an overview of about 1200 funding opportunities for incoming and outgoing researchers, graduates and students.

More information

3.5.2 Austria: Information from the Office of Science & Technology in Washington D.C.

"Building bridges of knowledge and expertise between Austria and North America" - this is the mission of the Office of Science & Technology (OST) at the Embassy of Austria in Washington, D.C. The OST is the strategic interface in the sciences, research, and research policy between Austria and North America. OST staff can inform you on most relevant funding opportunities in Austria.
3.5.3 Belgium: a comprehensive webportal

Calls for proposals are published all through the year on the Belgian Federal portal for research and innovation.

More information

3.5.4 Cyprus: the Research Promotion Foundation

The Research Promotion Foundation (RPF) promotes the development of scientific and technological research in Cyprus. The RPF has established a list of research stakeholders, some offering funding opportunities.

More information

3.5.5 Denmark: Funding programmes for research and innovation and Danish Innovation Centre in the USA

The Danish Ministry of Science, Innovation and Higher Education has published an exhaustive guide to Danish funding programmes. Innovation Centre Denmark, Silicon Valley, provides you with information about Danish research environment and funding opportunities.

More information

3.5.6 Estonia: Estonia Research portal!

Estonian Research Portal is the public section of the Estonian Research Information System. It gives an overview on various aspects of Estonian R&D including funding opportunities.

More information

3.5.7 Finland: Key links to Finnish funding agencies and opportunities

Funding for scientific research in Finland comes predominantly from private companies and the government. Other important sources of funding include various funds and foundations. Here are some of the biggest funding agencies.

3.5.8 France: Find your PhD with the new website "PhD in France"

This website presents French PhD offers on one platform and is open to all foreign students.

This site aggregates the offers of the laboratories and universities in France. It helps in making research simple for all foreign and English-speaking students wishing to pursue a PhD in France.

For the majority of the scientific doctorates, the student gets a 3-year employment contract for a gross amount of approximately € 1,700 / month (1300 € net).

More information
3.5.9 Germany: Funding and resources opportunities for graduate and doctoral students, postdocs and faculty and researchers

The German Center for Research and Innovation based in New York compiles all existing funding and resources opportunities for graduate and doctoral students, postdocs and faculty and researchers.

More information

3.5.10 Ireland: Research opportunities

The Irish Research Council (IRC) manages a suite of inter-linked research schemes, funding scholars at various career stages, from postgraduate study to senior research project-based awards. For early stage researchers these include the Gov. of Ireland Postgraduate scholarships and Gov. of Ireland Postdoctoral Fellowships, which fund research at pre- and post-doctoral levels, and the Research Project Grants Scheme, which allows researchers and research teams to expand their activities into new research areas by way of stimulus project grants and knowledge transfer initiatives. The IRC manages and monitors all awards funded under these schemes on a bi-annual basis.

More information

3.5.11 UK: EURAXESS Jobs portal: Individual Fellowship Opportunities

More information

EURAXESS National Fellowships&Grants

4 Jobs

4.1 EURAXESS Portal

There are currently over 7,000 research jobs and fellowship programmes (all over Europe but also in other countries such as in USA/Canada and in all disciplines) accessible via the EURAXESS Jobs database.

Check out the latest jobs offered on the portal or search positions by keyword, research profile, country or field.

Online Jobs and Fellowships on the EURAXESS Links North America website. Research organisations (public and private) can upload their job vacancies located in Canada and the US. It is free of charge.
4.2 Other Research Career Sites

4.2.1 Canada

Career opportunities in Canada: National Research Council Canada and careers

4.2.2 Europe

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

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

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

Career.edu: http://www.career.edu/index.php

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

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


Careers with the European Union: European Personnel Selection Office (EPSO)

Careers with the European Union (EPSO), Non-permanent Posts

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

4.2.3 USA

AAAS support: Science careers from the Science journal


NSF guidance of funding opportunities for Graduate students

NSF guidance of funding opportunities for Postdoctoral fellows

Funding opportunities at researchusa.com
## 5 Events

### 5.1 Europe: Forthcoming events

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<tr>
<td>5th INCO Conference</td>
<td>2-4 June 2014</td>
<td>Athens, Greece</td>
<td>DG Research of the European Commission and the Greek General Secretariat for Research and Technology</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>Research Meets Diplomacy: Europe as a Global Actor</td>
<td>5 June 2014</td>
<td>Brussels, Belgium</td>
<td>European Commission</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>Marie Skłodowska-Curie Actions satellite event at ESOF 2014 Conference</td>
<td>19-20 June 2014</td>
<td>Copenhagen, Business School, Copenhagen, Denmark</td>
<td>European Commission</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>EuroScience Forum 2014 (ESOF)</td>
<td>21-26 June 2014</td>
<td>Copenhagen, Denmark</td>
<td>Euroscience</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>Ocean Sampling Day</td>
<td>21 June 2014</td>
<td>Worldwide</td>
<td>Micro B3</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>Future oriented – technology analysis (FTA) conference</td>
<td>27-28 November 2014</td>
<td>Brussels, Belgium</td>
<td>JRC</td>
<td><a href="#">Link</a></td>
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### 5.2 North America: Forthcoming events

<table>
<thead>
<tr>
<th>Event</th>
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<th>Where</th>
<th>Organized by</th>
<th>Link</th>
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<tbody>
<tr>
<td>National Innovation Summit and Showcase</td>
<td>15-19 June 2014</td>
<td>National Harbor, MD, USA</td>
<td>National Innovation Summit</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>ENDO 2014 - 96th Annual meeting and Expo</td>
<td>21-24 June 2014</td>
<td>Chicago, IL, USA</td>
<td>The Endocrine Society</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>BIO International Convention</td>
<td>23-26 June 2014</td>
<td>San Diego, CA, USA</td>
<td>Biotechnology Industry Organization</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>2nd International Conference on Oceanography</td>
<td>21-23 July 2014</td>
<td>Las Vegas, NV, USA</td>
<td>OMICS Group</td>
<td><a href="#">Link</a></td>
</tr>
<tr>
<td>NCURA 56th Annual Meeting</td>
<td>10-13 August 2014</td>
<td>Washington, DC, USA</td>
<td>NCURA</td>
<td><a href="#">Link</a></td>
</tr>
</tbody>
</table>
6 About EURAXESS Links North America

EURAXESS Links North America is a network of thousands of European and non-European researchers, scientists, and scholars throughout North America (USA and Canada). This multidisciplinary network includes members at all stages of their careers. It allows them to connect with each other and with Europe, ensuring that they are recognized as an important resource for European research whether they remain in North America or return to Europe.

For further information about EURAXESS Links North America, please visit: http://northamerica.euraxess.org.

To sign up for membership in our network, and in the virtual SINAPSE community of researchers abroad, please go to our website and click on the Join the EURAXESS Links North America community hyperlink on the right-hand side of the page. Membership is free!

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