



Consulate General of France in Boston
Office for Science and Technology

FRANCE TECH INSIGHT

Innovation & Entrepreneurship in New England

22 February 2011

In the FTI this month

- France's massive investments
- 3D High-Res. Imaging
- France means Innovation
- Café des Sciences #36
- Partners Events
- Innovation News
- Challenging Job Offers in France

Stay Connected
The Innovation Team at
The French Consulate



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Deputy Scientific Attaché -
Tech Transfer

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Deputy Scientific Attaché -
Innovation/Entrepreneurship

Partners

Dear Friends,

The weather has been very blustery since the beginning of 2011 but it doesn't prevent us from delivering another storm of news, events and opportunities coming from France to New England !

Enjoy the reading and stay warm !

Antoine Mynard

Innovation News



MINISTÈRE DE
L'ENSEIGNEMENT
SUPÉRIEUR ET DE
LA RECHERCHE

France invests € 340 Million into Cutting-Edge Technology Facilities

The French government is strengthening France's ability to live up to society's needs. The overall objective is to **better cope with globalization, economically as well as scientifically.**

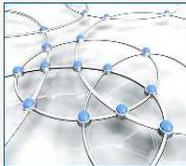
To reach that goal the government decided to invest massively in education and research to **spur innovation and create sustainable economic growth.** Through multiple call for projects, the French Ministry of Higher Education and Research (MESR) will allocate a total of **€ 22 billion** to promising projects selected after a competitive procedure.

In January 2011, 52 laureates who applied to the call for proposals "large facilities of excellence" may receive **€ 340 million.** These funds will be used to **buy cutting-edge technology equipment** for French laboratories, increasing their ability to carry out higher level research activities and attract new talents. Each project will receive a minimum of € 1 Million.



- [Consulate General of France in Boston](#)
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- www.innovationamerica.us

Related links



- [Our Reports & Publications \(in French\)](#)
- [Office for Science and Technology in the US](#)
- [Office for Science and Technology in Boston](#)
- [Young Entrepreneurs Initiative](#)
- [NETVA \(French Start-Up Accelerator\)](#)
- [FAID Conference](#)
- [Technology Transfers Exchanges \(FAT²E\)](#)

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Various domains of research, will take advantage of these fundings, including Nanotechnologies, Biology, Energy, Social Science and Computer Science.

Here are some examples of the laureates projects :

1. **IAOOS** : ("Ice Atmosphere, Arctic Ocean Observing System"), a platform to study climate variation through the analysis of physical characteristics of oceans.
2. **IVTV**, an innovative platform to study biological and medical aspects of cell aging.
3. **FDSOI11**, which intends to create a new generation of high performance electronic components

Overall, € 660 million will be allocated to other projects in 2011 and 2012. For an overview of all the planned investment in Higher Education, Research and Development, please visit the [Ministry website](#)

Focus on.....



High Resolution 3D Imaging coming soon !

In an article entitled "*Isotropic diffraction-limited focusing using a single objective lens*" published in the November issue of the Physical Review Letters, researchers at the **Marseille's Fresnel Institute** describe the ingenious system they have devised.

Standard microscopes focus light into an elongated cigar-shaped light spot, resulting in degraded resolution in one direction. By concentrating the light into a spherical shape, **the new device provides the same resolution in the three dimensions of space.**

Called **iso-microscopy** (for isotropic microscopy), the patent protected method is based on the latest theoretical advances in 'time reversal', a concept originating in acoustics (Professor Mathias Fink), and on a new device that can model light beams.

This is a new stage in the exploration of the infinitely small and clears the way for new outlooks in biology (biomedical diagnostics) and material sciences, two fields where optical microscopy is an essential instrument. Applied to data storage, the technology could also increase the capacity of optical reading devices such as CDs or DVDs.

For detailed information and to see a video of the project, visit the [Fresnel Institute website](#)

Yes, France also means Innovation



What if a good night's sleep could come at the



*touch of a button ?
What if we could be master of the sun ?
What if we could turn waste into something
precious ?*

All these crazy ideas actually came true... In France !

The Invest In France Agency just released a beautiful book highlighting the most surprising technological ideas and creations in France.

The book's ambition is to present some of the most innovative ideas developed by different companies in France, each illustrated by specially commissioned artwork showcasing some of the most ingenious artists on the French scene.

You can download the book [here](#)

The Invest in France Agency (IFA) helps U.S. based companies, free of charge, find the most profitable and competitive business solutions in France- the gateway to Europe. The IFA is responsible for promoting, prospecting and facilitating international investment in France, and for the economic attractiveness and image of the country.

For additional information, please visit www.invest-in-france.org/international/en/

Event : "Café des Sciences" n° 36

"La TV du futur : sociale, connectée et mobile"



Marie-Josée Montpetit
Scientist at the Research Laboratory of Electronics - MIT

Presentations in French
Tuesday, February 22 6:00 - 8:00 p.m
Cambridge Innovation Center
Havana Room - 5th Floor
1 Broadway, Cambridge

Networking reception to follow.
The event is free but [RSVP](#) is required

Come and Meet with Us at Tech Transfer Annual Meeting !



AUTM 2011 Annual Meeting

The American Association dedicated to the advance of academic Technology Transfer holds its annual meeting from Feb 27 to Mar 2, 2011 at Caesars Palace, Las Vegas. The office of science and technology will be represented by Mr. Antoine Mynard & Ms Lynda Inséqué.



Let's meet at the two sessions with French representatives:

"*International Trends in Technology Transfer*" including Dr. Philippe Gorry's talk, president of Réseau CURIE (French counterpart of AUTM)

"*Technology Transfer Across the Pond*" moderated by Dr. Florence Ghrenassia, Director of Office of Tech Transfer and Licensing at the major Paris hospital network (AP-HP).

For additional information, please visit the [AUTM website](#)

Partners : FACCNE Events



First French-American Business Forum of New England
Share best practices - Network - Meet Key Players !

March 9, 2011 12:00 p.m - 8:00 p.m

Choate, Hall & Stewart LLP
Two International Place
Boston - MA

This unique forum is an opportunity for the business community in the Greater Boston area to become more familiarized with the French economic presence in New England.

M. Stewart A. Wood, CEO of Veolia North America, will attend the event.

- Learn about critical factors of success and challenges specific

- to French-American business at panel discussions
- Showcase your company at the sponsor exhibition
 - Network at the evening cocktail reception

For detailed information about the forum and to register :
www.frenchbusinessforum.com

Innovation News, Breakthrough, Clusters Updates and Events



Innovation News

MANON - Mathematical and Digital Technologies Serving Nuclear Power

TARANIS & CFOSAT- Two New Space Missions for CNES

Cluster update

Material Cooperation on Aromatic Plants between the PASS Cluster and Mediterranean Countries

Scientific Breakthrough

The Promising Results of Alpha-Linolenic Acid for Strokes

Events In France

Chemistry and Housing Conference

Scholarship and Grants

Agence Nationale de la Recherche



**I National Research Agency (ANR)
"Chairs of excellence" Program**

The Chairs of Excellence Program aims to attract the best researchers professors, either French or foreign, in France by providing, with the support of the host organisations, substantial means to set up a team and undertake an ambitious research project with a visible impact.

The 2011 edition of the programme proposes three types of chairs:

1/ Long-term Junior

Temporary or permanent appointments from 36 to 48 months. The maximum grant per chair will amount to € 500,000.

2/ Senior Chairs of Excellence

Temporary or permanent appointments from 36 to 48 months. The maximum grant per chair will amount to € 1,000,000.

3/ Short-term Senior Chairs of Excellence

High-level researchers - either foreigners or French expatriates from 18 and 24 months. The maximum grant per chair will amount to €

1,000,000.

For additional information, please visit the [ANR website](#)

II "Post-Doc Return" Program - ANR

The Post-doc Return Program (PDOC) is intended to encourage young French scientists to come back to France, to work in French Labs. The PDOC offers substantial means to French scientists living abroad and willing to develop a project in France. The program is also open to foreign scientists who ran their Ph.D in France.

The 2011 call for projects has been launched and the deadline for applications is **March 17th, 2011**

For additional information and to apply, [visit the ANR website](#)

III City of Paris - "Research in Paris" Program

The City of Paris has launched a call for proposal to award research grants for researchers from abroad willing to be hosted by Parisian laboratories.

Deadline for application is **March 10, 2011**

[More information and application](#)



Challenging Job offers in France



Research Institute for Development recruits 31 Research Directors and Scientists

Positions are available in various domains such as biological and medical sciences, geochemistry and social sciences.

[Learn more and apply](#)

Curie Institute - Genotoxic Stress and Cancer Unit -Paris

Post Doctoral Position in DNA repair and Cancer . The candidate should have a strong background in biochemistry. Ideally, he/she would have a PhD in a Cancer or DNA repair-related field.

[Learn more and apply](#)

INSERM - Biomaterial & Tissue Engineering" Research Unit - Strasbourg

Director of Laboratory position. The laboratory currently includes more than 30 collaborators involved in projects concerning the biomaterial and tissue engineering fields.

[Learn more and apply](#)

Sincerely,

The Office of Science and Technology in Boston

[Forward email](#)



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