Dear Friends,

Welcome to the March edition of France Tech Insight. As spring comes knocking at our door, the Office for Science and Technology of the French Consulate and our partners have a charged schedule ahead, full of exciting events open to the public. We hope to see many of you there!

You can find more information about these upcoming events in the Upcoming Events section of this Newsletter:

- **Café des Entrepreneurs (Thursday, April 17th)** - The French executive-chef Jacky Robert from Maison Robert will be interviewed. In addition, two entrepreneurs will be presenting their startups: Sebastien CHRISTIAN, CEO, OtoSense Inc and Aymeric Vigneras, CEO, Sharalike.
- **Café des Sciences (Wednesday, April 23rd)** - Olivier Henry, will present the work he and his team are carrying at the WYSS Institute and the fantastic opportunities that Organs On Chip offers.
- **Life Sciences Research Opportunities in France (Thursday, May 1st)** - Dr. Jean-Marc EGLY, Special Counselor to the Chairman and CEO of INSERM will describe the new French research landscape and the opportunities that come along with it.
- **European Food Festival (Thursday, May 8th)**: a French-American Chamber of Commerce event which includes some of the friendliest and best networking opportunities in Boston!
- **FACCNE 13th Annual Business Awards (Thursday, May 29th)**.

As usual, in this edition you will find important updates on our programs and on science and technology news between France and the United States, as well as a number of job opportunities in France.

Enjoy this new issue!

When:
Thursday, April 17th
6:00 pm - 20:30 pm

Where:
Résidence du Consul de France
194 Brattle Street
Cambridge, MA

In addition to Jacky Robert's interview, executive-chef from Maison Robert, 2 start-ups will present their work through a short section of "Elevator Pitch":

- Sebastien Christian, CEO, OtoSense Inc;
- Aymeric Vigneras, CEO, Sharalike.
The paradigm used by pharmaceutical companies to discover and develop new drugs is broken. Clinical studies take years to complete and testing a single compound can cost more than $2 million. Meanwhile, innumerable animal lives are lost, and the process often fails to predict human responses because traditional animal models do not accurately mimic human physiology. For these reasons, the pharmaceutical industry needs alternative ways to screen drug candidates in the laboratory.

**The Wyss Solution**

Institute researchers and a multidisciplinary team of collaborators are engineering microchips that recapitulate the microarchitecture and functions of living organs, such as the lung, heart, and intestine. These microchips, called organs-on-chips, could one day form an accurate alternative to traditional animal testing. Each individual organ-on-chip is composed of a clear flexible polymer about the size of a computer memory stick that contains hollow microfluidic channels lined by living human cells. Because the microdevices are translucent, they provide a window into the inner workings of human organs.

**Lung-on-a-chip and Gut-on-a-chip**

Wyss Institute researchers and a multidisciplinary team of collaborators seek to build and link 10 human organs-on-chips to mimic whole body physiology. The system will incorporate the Institute’s Human Lung-on-a-Chip (top) and Human Gut-on-a-Chip (bottom).

The Wyss Institute team seeks to build ten different human organs-on-chips and link them together on an automated instrument to mimic whole-body physiology. The instrument will control fluid flow and cell viability while permitting real-time observation of the cultured tissues and analysis of complex biochemical functions. This instrumented “human-on-a-chip” will be used to rapidly assess responses to new drug candidates, providing critical information on their safety and efficacy.

More information [here](#)

After the presentation, wine & cheese will be provided by the Café’s partners.

**Registration mandatory, seating limited**
**EVENT IN FRENCH**

In the scope of a US Conference tour (San Francisco, Los Angeles, San Diego, Boston) on April-May 2014 around Life Sciences Career opportunities in France, Dr. Jean-Marc Egly, Special Counselor to the Chairman and CEO of INSERM will present the French National Alliance for Life Sciences and Health (Aviesan), the French National Institute of Health and Medical Research and the ATIP-AVENIR program.

If you are a young scientist in Life Sciences interested in coming to France, do not hesitate to join us for lunch to get information about Research Career Opportunities in France.

Jean-Marc Egly was appointed Special Counselor to the Chairman and CEO of INSERM, the French National Institute for Health and Biomedical Research, in 2008. In collaboration with André le Bivic from CNRS (National Center for Scientific Research, France), he oversees, as Scientific Manager, the ATIP-AVENIR program which gives young researchers the chance to set up and run a team. The program has been designed for young researchers, with no nationality restrictions, who received their science theses (or PhDs) within the last 10 years at the most, regardless of their home organizations (public science and technology institution, university, hospital, veterinary school, etc.) and whether or not they hold a permanent position. The program is also open to physicians interested in research.

---

**FACCNE's 13th Annual Business Awards: Rewarding Innovation**

**FACCNE's 13th Annual Business Awards: Rewarding Innovation**

**Thursday, May 29th**
When:
Thursday, May 29
6:00pm - 9:30pm

Where:
Royal Sonesta Hotel
40 Edwin H Land Blvd
Cambridge, MA 02142

BIOVISION Catalyzer 2014 Call for Projects

BIOVISION, the World Life Sciences Forum, is becoming a yearly event. The 9th edition will be held on June 5-6, 2014 in Lyon, France. BIOVISION is the place where key stakeholders can debate over the impact of the latest scientific advances on society and share a prospective vision on how to overcome Health, Environment and Nutrition challenges.

The 2014 BIOVISION Catalyzer edition, co-organized with Lyonbiopole, a worldwide bio-cluster, will capitalize on the success encountered in 2013 and leverage BIOVISION’s unique multistakeholder approach to foster collaboration, integrate innovation and accelerate the emergence of solutions for the benefits of citizens.

For 2014, all projects / initiatives must match one of the following 2 focuses:
FOCUS 1 : Immunotherapies & Vaccines
FOCUS 2 : Healthy Ageing

All proposals must be submitted through the online application form on BIOVISION website. All fields of the application form must be fully completed and shall not exceed the total length requirements. Check your mail, title, objectives and other information carefully prior to submitting. No edits will be allowed after submitting a project / initiative. Please note that the content of your proposal (except your personal contact details) may be used for external communication including publication on BIOVISION website.

Participation fee:
- No fee is required when submitting your application.
- Regardless of the outcome of their application, all BIOVISION Catalyzer candidates wanting to attend the Forum will be asked to pay a 280€ participation fee.

More information here

"LIFE SCIENCES: Inventing – Creating – Having Fun" 2014

Grants from 1,000 euros to 2,500 euros per project

The Office for Science & Technology of the Embassy of France in the United States of America will financially support participations to scientific competitions, contests and games specializing in Life Sciences.

The Office for Science & Technology hopes this program will encourage students and researchers to
participate in exchanges with the United States and France, as well as initiate collaborations between French and American scientists, and promote scientific research and practice.

**WHO IS ELIGIBLE**
Competitions organized in the USA: at least half of the team members must be French.
Competitions organized in France: at least half of the team members must be American.
Participants competing individually are also eligible. For teams, affiliations of the members must be clearly mentioned.
Grants may be used to cover registration fees and other expenses. Only one grant will be awarded per team (or individual) per project.

**COMPETITIONS**
Participants are eligible to compete in any competition specializing in Life Sciences provided that they must be affiliated, at least partially, to the United States or France (organization, award ceremony, ...).

Examples of competitions in the USA: iGEM, World Cell Race, Google Science Fair, XPRIZE, BioGENEius Challenge, NanoArt Imagery Contest, Challenge.gov, ...

Examples of competitions in France: iGAM4ER, Innovation Prize Universal Biotech, EUCYS, ...

**EVALUATION**
Applications will be evaluated by the Office for Science & Technology of the Embassy of France in the United States. Between four and eight applicants will be selected to receive a grant for an amount ranging between 1,000 to 2,500 Euros. The results will be announced approximately one month after the applications deadline.

For further information, please contact deputy-sdv.la@ambascience-usa.org.


Deadline to send in proposals: 13 of April 2014

---

**Internship position at the French Consulate**

**Boston**

An internship in Boston will be available for an American citizen full time university student.

**Tasks description:**
- Work on some specific programs related to science, innovation and/or entrepreneurship (research, technology transfer, entrepreneurship programs; organization of events, etc.)
- External communication of the Office for Science & Technology (newsletter, website, social networks): work in English or translating from French into English
- Draft or proofread and edit English language documents
- Help on some general administrative tasks, contact lists' update

**Practical information**
- Internships last from 2 to 6 months and may be full-time or part-time, depending on the obligations of the student.
- The applicant is interested in Science, Innovation and Entrepreneurship. The applicant should be able to read and communicate in French.
- Interns will not receive any financial compensation, but will work in a stimulating environment

Candidates must send a resume as well as a cover letter in French to deputy-inno@ambascience-usa.org
PhD in Physics at the Paris-Saclay Campus

Paris

The Paris-Saclay Campus hosts research laboratories from the most prestigious French institutions, located in the Orsay-Palaiseau-Saclay area (20km south of Paris). More than 1000 physicists perform cutting-edge research in the fields of optics, diluted and condensed matter, complex matter, statistical physics and nanophysics.

The “Triangle de la Physique”, a research cluster of 40 laboratories working in these fields, is maintaining a Web portal offering an extensive list of PhD proposals from these laboratories: http://triangledelaphysique.fr/Triangle_Physique_phd_physics_plateau-saclay

Students interested in joining a high-level research team to carry out a PhD in this remarkably rich scientific environment may have a look at our list of proposals. After identifying a PhD subject in the list, they should contact the corresponding laboratory. Together with the potential PhD supervisor, they will examine the opportunities for grant applications, depending on the student cursus.

The main selection criteria are the excellence of former training, of the obtained grades, and the motivation of the candidate. In some countries, the French Embassy proposes specific PhD funding. The laboratories from the Paris-Saclay Campus may also submit an application to the call opened by the Triangle de la Physique until April 10, 2014. This call will provide, after competitive selection, partial PhD funding for students graduating in 2014 outside France.

The Centre d’Immunologie at Marseille-Luminy (CIML) is inviting applications for group leader positions

Marseille

Candidates are asked to provide :
- A curriculum vitae (max. 3 pages)
- A concise presentation of future research plans, with particular attention to their ground-breaking nature (max. 5 pages)
- The names of three referees.

Applications should be sent by June 15th, 2014, to vivier@ciml.univ-mrs.fr

More information here
Thanks for reading!

The Office of Science and Technology in Boston

Visit our Websites
- Office for Science and Technology in the US
- Office for Science and Technology in Boston

Enjoy Our Publications
- Bulletins Electroniques (French)
- Science and Innovation Insiders (English)
Support our Partners

- Consulate General of France in Boston
- French American Chamber of Commerce