



Funding opportunities for France-USA scientific collaboration



University of Colorado **Boulder**

Jean ROSENBAUM

Attaché for Science and Technology

Consulate General of France in Los Angeles

Office for Science & Technology

- A network of 1 Counselor, 8 scientific Attachés and 10 young professionals with higher degrees in science (VI)
- In association with the representatives of the French Research Institutions located in the Embassy



Instituts
thématiques

Inserm

Institut national
de la santé et de la recherche médicale





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RÉPUBLIQUE FRANÇAISE

OFFICE FOR SCIENCE & TECHNOLOGY

EMBASSY OF FRANCE IN THE UNITED STATES



Office for Science & Technology

- Our **mission**:
 - Promote scientific interactions between France and the USA
 - Showcase French science in the USA
 - Help animate the French expatriate community

PhD Mobility Programs



Chateaubriand
Fellowship Program

Science, Technology,
Engineering, Math
& Health



■ Chateaubriand STEM Fellowship

- ✓ Supporting PhD students from US universities to conduct part of their PhD research in France
- ✓ Grants for students enrolled in American universities to stay in France for 4 to 9 months (*49 laureates/113 applications in 2018*)
- ✓ All topics in STEM and Health are eligible
- ✓ Call in January
- ✓ Include travel, monthly stipend, health insurance
- ✓ **Tips: demonstrate the added value, strong support from the host lab**

PhD Mobility Programs



▪ French American Doctoral Exchange Program (FADEx)

- ✓ One-week seminar in France aimed at French and American PhD students working in the same field.
- ✓ 10 selected US students visit 2-3 research institutions, give seminars, meet their French counterparts
- ✓ Recent themes:
 - ✓ 2016: *Nanoparticles for Medicine/Cyberphysical Systems*
 - ✓ 2017: *Epigenetics/Cybersecurity*
 - ✓ 2018: *Ocean-Climate/Artificial Intelligence*

Scientific Cooperation Projects



■ Thomas Jefferson Fund

- ✓ **First bilateral Program** open to all teams, Laboratories, Universities in both countries
- ✓ Fields: STEM/SSH/Big challenges (interdisciplinary)
- ✓ Eligibility: **Young** scientists, Challenging projects
- ✓ Supported by the French Ministries of Foreign Affairs and of Higher Education and Research, the French-American Fulbright Commission, private partners
- ✓ 9 projects per year, 2 years projects, 20 000 USD per project

Programs Supporting Innovative Startups

- **Young Enterprise Initiative (YEi) Start in France**

- ✓ Provides a personalized immersion week in France to innovative American companies



- **New Technology Venture Accelerator (NETVA)**

- ✓ Targets young innovative French startups
- ✓ Laureate companies are exposed to the realities of the American market thanks to:
 - ✓ a preparatory conference and seminar in Paris
 - ✓ a week long immersion in the United States with a mentor company and personalized meetings



Programs from CNRS

▪ PICS

▪ Program for International Scientific Cooperation

- Consolidation of an existing cooperation
- 3 years program, 5-7,000 €/year
- PI under 45 years
- Call in April-May

▪ LIA

▪ International Associated Laboratory

- Formalized partnership between a French and a US team
- 4 years program, renewable once
- Both partners earmark funding



Make our Planet Great Again (MOPGA)

**MAKE OUR
PLANET
GREAT AGAIN**

PhD

**MAKE OUR
PLANET
GREAT AGAIN**

Post-Doc

**MAKE OUR
PLANET
GREAT AGAIN**

Master

**MAKE OUR
PLANET
GREAT AGAIN**

Short-Stay

Other programs

- **Fulbright**
- **European programs**
 - Marie Skłodowska-Curie Actions: inbound and outbound post-docs
 - European Research Council Grants: open to non-EU scientists (but have to stay at least for 50% of their time in Europe)

Conference programs

▪ French-American Innovation Days

- On a specific focus
- Translate basic research into application
- Stimulate collaboration
- Bring together the best French and American scientists, together with companies and other stakeholders
- Recent examples:
 - Los Angeles 2018: Human Microbiome (2019, *Inherited Retinal Dystrophies*)
 - Houston 2019: Procedural medicine in the digital age
 - Boston 2019: Floating Offshore Wind Energy Technology
- Criteria
 - Top expertise
 - Expected audience
 - Fundable

2019 | FRENCH
AMERICAN
INNOVATION
DAY
LOS ANGELES

Conference programs

- **French-American Climate talks**

- Launched before COP21



- **French-American Climate talks on Oceans**

- FACT-O aims to raise awareness on the importance of interactions between ocean and climate.
- For scientists and the general public



- **French-American Climate talks- Biodiversity**

- Just launched in 2019



Support to conferences

- **Example: International Society for Nonlinear Acoustics, Santa Fe 2018**
 - Several keynote French scientists
 - Previous issue in France
 - About 20% of the audience is French



Satellite conferences

- **Take advantage of an existing conference**
- **Examples:**
 - “French session” at the “[Clinical Trials on Alzheimer Disease](#)” conference in San Diego 2016
 - France-USA satellite symposium at the occasion of the [International Society for Stem Cell Research Research](#) conference in LA, 2019



Workshops

- **Help in the organization of a France-USA focused workshop (in the USA or in France)**
- **Examples:**
 - Polymers workshops between UCLA and the University of Bordeaux
 - EUREC4A-OA/ATOMIC Workshop in Paris (With two participants from Colorado: Chris Fairall, NOAA, Peter Sullivan, NCAR)
 - Active fault seismic imaging in Santa Fe, March 19, 2019

Networking/Social events

- **At the occasion of a major meeting attended by many French scientists**
- **The aim is to showcase French science and stimulate interactions**

Networking/Social events

- **Neuroscience annual meeting in San Diego**
 - **2016, 2018**



- **Materials Research Society spring meeting in Phoenix**
 - **2017, 2018, 2019**



Taking the opportunity of the presence of a significant French community during the Materials Research Society Spring Meeting, the Office for Science and Technology of the Embassy of France in the United States is organizing a networking event gathering French scientists, their US collaborators, US scientists and companies from both countries in the same field.



AGENDA

French-American Collaborative Programs
Jean Rosenbaum, Attaché for Science & Technology at the Consulate of France in Los Angeles

Strategy and Highlights of ASU in the field of Materials science
Pr William Petuskey (Arizona State University)

Research and Education in Materials Science at the University of Arizona
Pr Pierre Lucas (University of Arizona, Tucson)

Materials Research at CEA
Dr Olivier Raccurt (CEA, France)

Materials Science at Paris-Saclay: Nanomaterials and Devices via efficient processes
Dr Pere Roca i Cabarrocas (Ecole Polytechnique & University Paris Saclay)

Doing Business in the USA: Discover Opportunities in Arizona
Allison Gilbreath (Greater Phoenix Economic Council)

Pitches by companies: *Salzgitter Mannesmann Precision, Horiba, Keey Aerogel, Annealsys*

Networking Cocktail

RSVP NOW



DATE & TIME

April 18th, 2017
5:30-8:00PM



LOCATION

Ahwatukee AB,
Sheraton Grand Phoenix
Hotel (Phoenix, AZ)



SUPPORTED BY



Networking Events in Science & Technology (NEST)

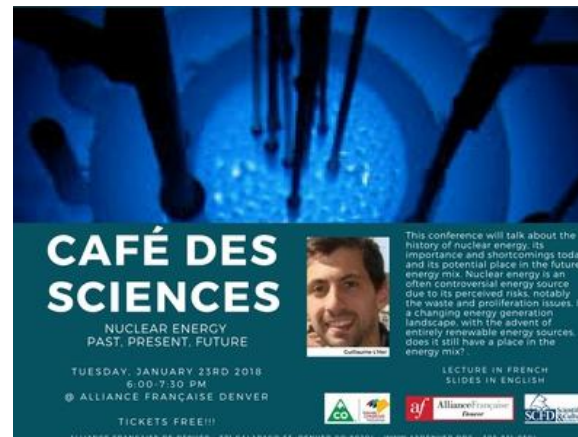
- Gather the local community of French scientists and tech entrepreneurs, and their US partners



April 11, 6:00 pm

Café des sciences

- **Organized in partnership, or at the initiative of other organizations, in general “Alliance Française”**
 - Involve a French scientist, resident or visiting
 - Or an American scientist, on a topic linked to France
 - Active in San Diego, Pasadena, and Denver



Invitation of top French scientists

- In partnership with local Universities
- Examples
 - **Neuroscientist** Daniel Choquet; conferences in UCLA, UCI and CalTech



- **Mathematician** Etienne Ghys in partnership with USC and University of British Columbia





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Many other opportunities from other institutions



**COLLABORATIONS AND
EXCHANGE PROGRAMS
OPPORTUNITIES IN
SCIENCE AND THE
HUMANITIES BETWEEN
FRANCE AND THE USA**

Downloadable booklet:

https://www.france-science.org/IMG/pdf/france-us_exchange_program_booklet.pdf

CONTACT

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