



French American scientific cooperation

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Counselor for Science and Technology

French American Workshop – Grenoble, June 15, 2015

Office for Science and 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



- In connexion with the teams in charge of Economy, Culture and Higher Education, Press, Environment within the Embassy
- Contacts with our American institutional (DoS) and scientific partners (NSF, NIH, NIST, Universities)



Transatlantic funding programs and scientific cooperation tools

- **EU programs opened to non-european countries including United States**
 - ✓ Marie Curie-Sklodowska fellowships for PhD and postdocs
 - ✓ ERC (European Research Council)
- **NSF, NIH, DOE international programs**
 - ✓ NSF international program PIRE: NSF-ANR, NSF-CNRS agreements (signed in 2014)
 - ✓ NSF-GROW to France
 - ✓ NIH-Inserm agreements
 - ✓ DoE-CEA agreement
- **Fulbright fellowships** opened to PhD students and confirmed researchers
- **Bilateral programs** between the French Ministry of Foreign Affairs and American Universities: MIT, Chicago, Berkeley, Stanford (seed funds)
- **Partner University Fund** (PUF)
- **Chateaubriand Fellowship program** (STEM & SSH)
- **Specific tools** developed by French research institutions with international partners (CNRS, Inserm):
UMI (7 in the US), **LIA** (>15 in the US)

PhD mobility programs

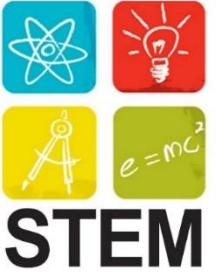
■ Chateaubriand STEM grants

- ✓ Supporting young American PhDs to conduct part of their research work in France
- ✓ Facilitating existing or starting scientific collaboration
- ✓ Grants for 4 to 9 months (*40 laureates among 130 applications in 2014*)
- ✓ All topics in STEM are eligible
- ✓ Co-financing by Inserm, Inria, CNRS, American Universities, NSF (GROW)

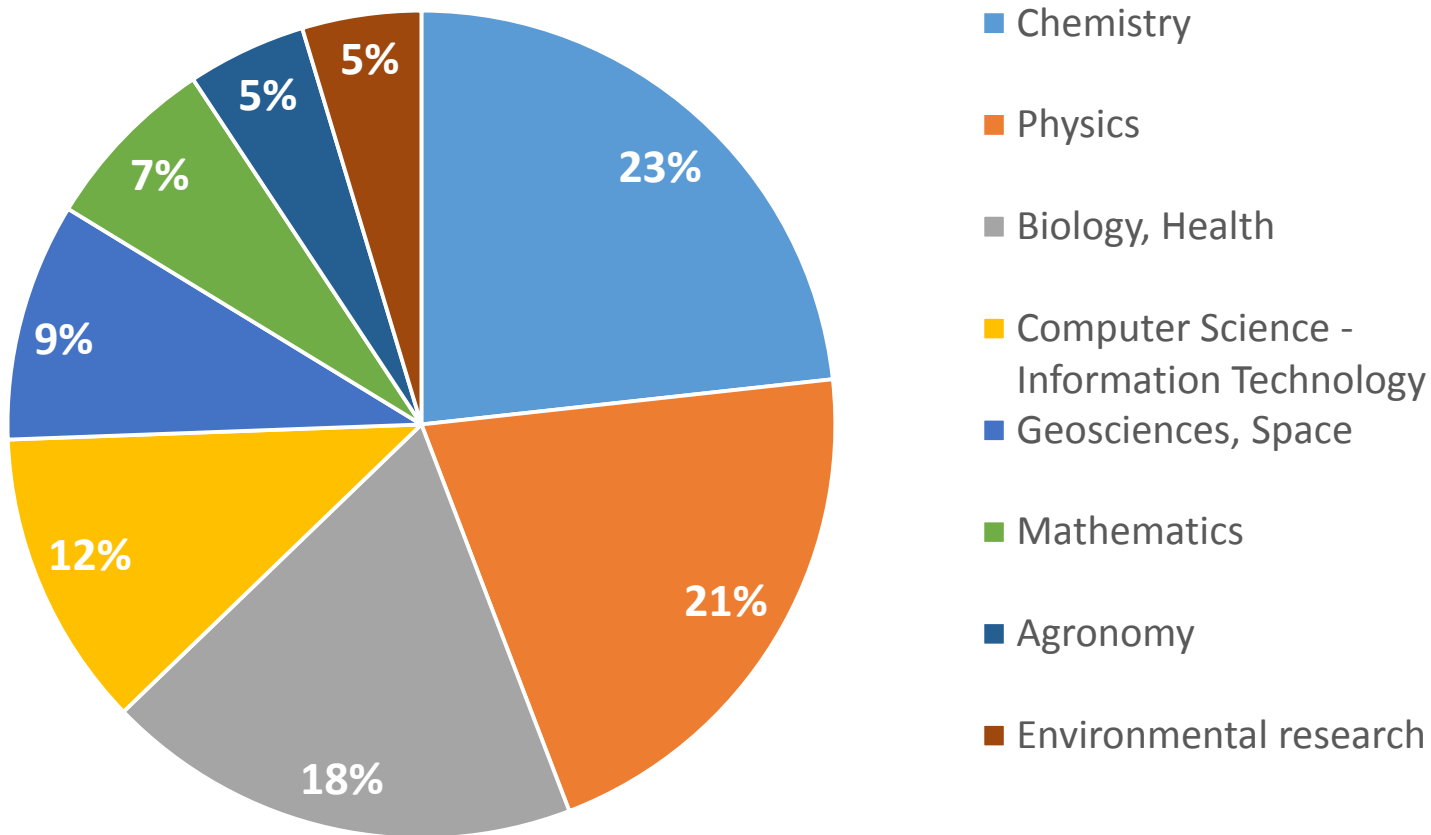
Website : <http://www.chateaubriand-fellowship.org>

■ Statistics 2015-2016

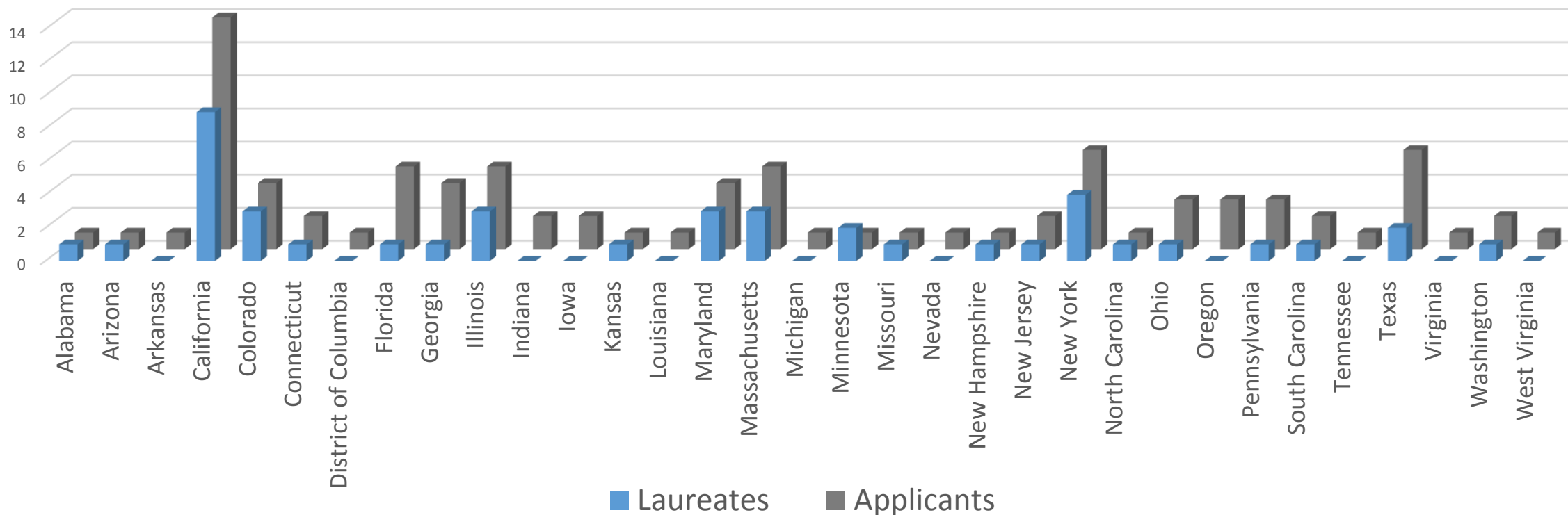
- ✓ Candidates: **89** Female: 42 (47%) - Male: 47 (53%)
- ✓ Laureates: **43** Female: 23 (53%) – Male: 20 (47%)
- ✓ Nationality of the laureates: United States: 34 (79%) – Other: 9 (21%)



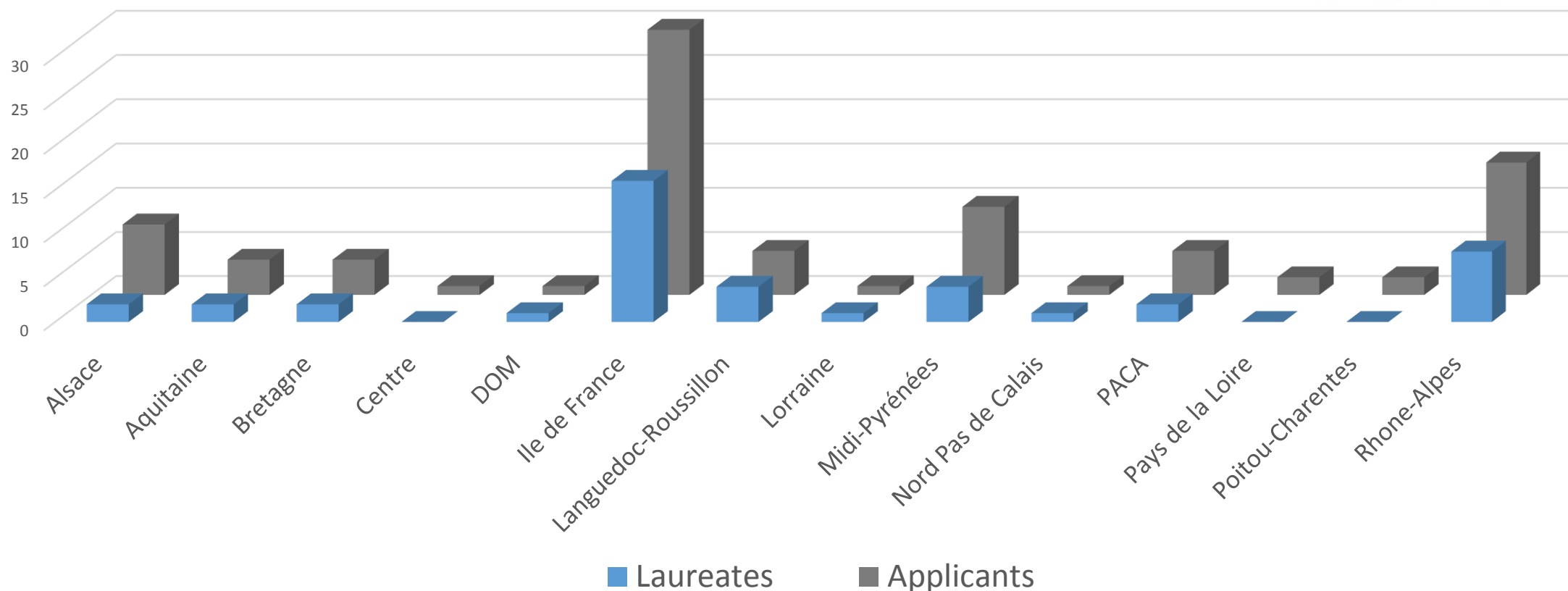
2015-2016 Chateaubriand Laureates Scientific Disciplines



2015-2016 Chateaubriand Laureates Geographical Distribution in the US



2015-2016 Chateaubriand Laureates Geographical Distribution in France



PhD mobility programs



- **French American Doctoral Exchange (FADEx)**
 - ✓ Coordination **Houston**
 - ✓ Aims at creating links among American and French scientists of the young generation
 - ✓ Selection of *10 American PhD students per year*
 - ✓ Seminar organized in France for American and French PhD students working in the same field
 - ✓ Visits of research facilities and laboratories in France
 - ✓ Topics : Nanocharacterization in 2014 – Photovoltaïc in 2015

Website : <http://france-science.org/Seminaire-pour-doctorants-francais,2494.html>

Programs to support scientific cooperation

- **Bilateral Funds** established between the French Ministry of Foreign Affairs and 4 prestigious American Universities (*MIT, Stanford, UC Berkeley & Davis, Chicago University*) 10 to 20 years ago

- ✓ Using the income from a capital endowment, with yearly additional funding from the French Ministry of Higher Education and Research for the France Berkeley Fund
- ✓ Financing 10 to 20 collaborative projects for 1 or 2 years (STEM + SHS)

- **Partner University Fund (PUF)** *coordinated by the Cultural and Higher Education Office of the Embassy*

- ✓ Created in May 2007 - Joint initiative of American private donors and the French government
- ✓ Aiming at supporting innovative partnership between American and French Institutions in all fields of Research and Higher Education at Master, PhD and Postdoc levels



Programs supporting innovative startups

■ New Technology Venture Accelerator (NETVA)

- ✓ Targetting French young spin-off companies from Research
- ✓ Training the laureate companies to the American market realities (*15 out of 80 applications in 2014*) through:
 - a coaching seminar in Paris
 - an immersion week in the US (Boston, San Francisco, DC)
- ✓ Since 2010: *31 laureate companies*

Website: <http://www.netvafrance.com>



■ Young Entrepreneurs Initiative (YEi)

- ✓ Coordination **Boston**
- ✓ Assisting American innovative companies planning to settle in France
- ✓ Since 2005: *61 laureates, 13 Yei projects actually settled in France*

Website: <http://www.yeifrance.com>



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