



RICHARD LOUNSBERY
FOUNDATION

Program Report
2020–2024

MISSION STATEMENT

The Richard Lounsbery Foundation aims to enhance national strengths in science and technology through support of

- Research that helps build bridges between outstanding groups outside the US and American science;
- Joint international research between nations in conflict;
- Studies of science and technology components of US policy issues;
- Elementary and secondary science and math education, especially in New York City and Washington, DC;
- Historical studies and contemporary assessments of key trends in the natural sciences; and
- Start-up assistance for establishing the infrastructure of research projects or new fields of research.

Among international initiatives, the Foundation has a long-standing priority in French-American cooperation.

The Foundation generally provides seed money or partial support, rarely renews grants for continuing activities, does not normally fund endowments or capital equipment, and aims to achieve high impact by funding novel projects and forward-looking leaders.

(February 2019 revision)

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PREFACE

Founded in 1959, the Richard Lounsbery Foundation issues this program report to clarify its interests, evolution, and goals and to relate the aims and accomplishments of its grantees. In 2002, president Frederick Seitz authored a brief history of the Lounsbery family and the formative years of the Foundation. In 2004, president David Abshire began preparing periodic summaries of the work and grant-making of the Foundation. The history and reports spanning the period 2002–2019 can be seen at [rlounsbery.org/giving](https://www.lounsbery.org/giving) :

- [2013–2019](#)
- [2009–2013](#)
- [2004–2009](#)
- [2002–2004](#)

This report spans 2020 through 2024.



LETTER FROM THE CHAIR

January 2025

Grant-making at the Richard Lounsbery Foundation continues today with fidelity to the intent of its donors, Vera and Richard Lounsbery. While the Lounsberys did not leave strict direction for their foundation, their passions were well known, evident in their early charitable giving, and continue to provide focus for the work of the Foundation. Dividing their adult lives between New York and Paris, the Lounsberys loved both cities and their scientific and cultural institutions, as they loved both the United States and France.

The present directors seek to balance a vision first offered in 1959 with the world sixty-five years later. The enormous power for good of science and technology, from astronomy to zoology, securely anchors our long-term grant-making strategy. Within these pages we report the Foundation's activity in the past five years under the themes Research and Exploration, Science and Diplomacy, Biology in Art, Science Education, History of Science, and Public Understanding of Science, with the Foundation's commitment to French-American cooperation clearly present in each theme. While most of this letter concerns grants made during 2020–2024, the outcomes of some grants made earlier also merit mention.

A visit by the Foundation directors and officers to Paris in October 2024 to refresh our knowledge of French science highlighted this quinquennium. The trip was planned around the presentation of the Académie des sciences awards, including the 45th Richard Lounsbery Award presented to Jean-Léon





Alain Fischer, right, President of French Académie des sciences with Foreign Secretary Antoine Triller.

Maître (CNRS Research Director at the Institut Curie Paris). Visits during the trip included not only the Académie des sciences at the Institut de France, but also the Muséum national d'histoire naturelle, Institut de paléontologie humaine, École normale supérieure, Médialab Sciences Po, Galatée Films, and GEDEON Programmes. Guided by insights gained during the Paris visits, the Foundation's directors plan to concentrate their giving on French-American scholarly cooperation in 2025.



Lounsbury visit to Institute of Human Paleontology, Paris.

COVID-19

The decade of the 2020s began with the COVID-19 pandemic. In March of 2020, the Foundation, like most organizations, shifted to remote operations. The Board swiftly created and dispensed a fund of \$150,000 to be used in general operating grants of up to \$12,000 to assist present or recent grantees to cope with the immediate stressors caused by the pandemic. Directors also passed a resolution at their April meeting allowing grantees to convert previous project-specific grant funds to general operating funds as needed. The Foundation then awarded sets of grants totaling about \$1 million



during the rest of 2020. One set helped local organizations involved in STEM education (BioBus, Science Club for Girls, Innovation Institute, and Teachers College of Columbia University) adapt to distance and hybrid learning. A second set addressed research and education about COVID-19 itself. A project at The Rockefeller University developed a simple, safe system for obtaining and archiving saliva samples that may contain the COVID-19 virus. The National Council for Science and the Environment organized a joint French-American effort to trace the pandemic-associated surge in marine plastic pollution. An effort at Yale University developed reliable, rapid estimates of the effects of COVID-19 on employment in the United States. Finally, the Genetic Literacy Project undertook research on the logistical, policy, and communication challenges associated with vaccines.

French-American Cooperation

Richard Lounsbery served as a United States Army lieutenant in France during World War I. In 2016, recognizing the continuing importance of informing Americans about this terrible war, the Foundation became an early key supporter of the World War I Centennial Commission's project with a \$1 million grant to build a memorial in Pershing Park on Pennsylvania Avenue in Washington, DC, two blocks from the White House. The American flag was raised over the memorial for the first time in 2021 and the centerpiece sculpture, Sabin Howard's "A Soldier's Journey," was unveiled in September 2024 to complete it.

National Park Service



World War I Memorial, Washington, DC



The Foundation proudly continues to support the Richard Lounsbery Award established in 1978 by Vera Lounsbery in honor of her husband. The award annually recognizes an outstanding investigator under the age of 45 for extraordinary work in biology and medicine. The National Academy of Sciences of the United States and the French Academy of Sciences present the award in alternate years, and we are grateful to these institutions for the attention and luster they give to the Lounsbery Award, which affirms the Foundation's commitment to, and promotion of, scientific exchanges between the United States and France. Director and binational Catherine Dulac, the 2006 Lounsbery Award winner, provides invaluable guidance for the Foundation's French-American grant-making and inspired many of the meetings of the Board with the French scientific community during the trip to Paris in October 2024.

Research and Exploration

The Foundation also enthusiastically continued supporting joint French-American scholarly and scientific projects these past five years. These projects spanned subjects as diverse as archaeology of military ships lost during the War of Independence, reconstruction of effects of ancient pandemics, genetics of populations of medieval France, degassing of abiotic hydrocarbons from the deep Earth, glaciology, and comparative views of China in France and the United States. Grants also supported the Transatlantic Research Partnership for joint work by early career researchers in the United States and France and the formation of D-Fi USA, a network supporting the French PhD diaspora in the United States. The Foundation is grateful for help in these programs from the French ambassadors to Washington, DC, and the outstanding science attachés who advise them.



A new field for Lounsbery that emerged recently, with encouragement from Director Michael Shelley, is interspecies communication. Progress in neuroscience and artificial intelligence makes this an exciting frontier. The Foundation provided seed funding for Interspecies.IO, an emerging



international scientific network in this area, and for work on parrots, a species that seems eager to bridge communication gaps.

Grant-making continued in marine acoustics, where earlier support provided to the International Quiet Ocean Experiment matured into the formation of the Global Library of Underwater Biological Sounds (GLUBS, originating at the University of Perpignan) and World Ocean Passive Acoustic Monitoring (WOPAM) Day. Initiated in June 2023, WOPAM Day engaged more than 1,000 researchers in 2024 to record underwater sound at more than 400 sites all over the world to create a snapshot of the cacophony of noises generated by wildlife and humans. A grant to the University of Rhode Island seeks to help leading US institutions concerned with ocean research and education work more collaboratively.

Science and Diplomacy

Beyond US-French relations, the Foundation has continued to support projects whose aspects include both science and diplomacy, and especially cooperation among experts between nations in conflict or where the practice of science is very difficult. Before the Ukraine War, the Foundation continued to support bilateral and trilateral activities engaging the United States, France, and Russia, for example, in epidemiology and wildlife biology and in studies of historical and scientific aspects of the Enlightenment.

The onset of the Ukraine War in 2022 led the Foundation to elicit quickly a set of eight proposals totaling about \$1.2 million. With Vera Victoroff Lounsbury's personal history as a Russian émigré in mind, several proposals aimed to assist displaced Ukrainian and Russian scholars. Thanks to the Institute of International Education, American Councils for International Education, and Russian-American Science Association for their effective, prompt responses. A grant to the World Monuments Fund helped document and preserve Ukrainian cultural heritage made vulnerable by the conflict, and a grant to the Internet Archive was notably successful in saving digital materials that could or would have been destroyed or erased by the conflict, setting an example for the role of digital libraries in times of war.



The Foundation's directors supported several other projects in the domain of international security and arms control. A grant to NATO's Center for Maritime Research and Experimentation gave freedom to that organization to enhance its work on environmental dimensions of conflicts. A pair of grants supported efforts to engage early career women scientists in the work of the Comprehensive Nuclear-Test-Ban Treaty Organization and to extend the value of its hydroacoustic monitoring network to environmental as well as military concerns. A grant also supported the organizational development of Women in International Security, an incipient global network in a field where women have long been underrepresented, and Director Rose Gottemoeller has been a pioneer.

Latin America, where science always struggles for stability, continued as an important region for Lounsbery grant-making. Drawing on Director David Sabatini's extensive knowledge of Latin American science, the Foundation made grants, often involving cooperation with US institutions, to scholars in Argentina for health sciences (spinal muscular atrophy, cholesterol transport, novel anti-SARS agents), Uruguay (viral infectivity), Chile (circadian rhythms), and Mexico (paleovirology). Grants to Colombia went to help support Venezuelan science and the Venezuelan scientific diaspora, and the Institute for International Education's Scholar Rescue Fund to assist Latin American scientists facing emergencies. The Academy of Sciences of Latin America (ACAL, which spans all Latin American nations) joined with the US National Academy of Sciences to create digital resources to network Latin American scientists and increase access to materials for advanced science training. A recent grant to the Center for Strategic and International Studies and the Institute for International Education supports assessment of trends and prospects in scientific exchange between the United States and Latin America.

In Africa, home to Director Richard McHenry for many years, the Foundation provided the seed funds for creation of the African Diaspora Scientists Federation and for the networking of the bioacoustics community of Africa, which studies many unique animal species that use sound in fascinating ways that new tools such as machine learning may reveal. Grants also supported citizen observation of plastic and other litter in West African coastal ecosystems and publication, French translation, and open access to a



conservation biology textbook for Africa that has now won many tens of thousands of readers.

Biology in Art

In our previous program report, *Biology in Art* was a new theme, which arose from the Foundation's seed funding for the effort to obtain and sequence the genome of Leonardo da Vinci by scientists in France (where Leonardo lived during his final years and was buried), Italy (where his father and other relatives were buried, and descendants of his half-brothers still live), Spain (whose National Library holds 700 pages of his notebooks), and the United States (where forensic DNA skills flourish). A grant to the Venter Institute integrates both DNA and microbiome analyses of biological samples that team members have gathered from drawings, letters, tombs, and possible living descendants of Leonardo's father. Another grant is using Leonardo's drawings of flows of water to try to estimate the level of visual acuity that Leonardo must have enjoyed, enabling him to make his drawings. Meanwhile, team members have published a growing portfolio of papers, for example, on techniques to obtain DNA from ancient papers, genetics of visual acuity, and genetics of genius, and a book, *Leonardo de Vinci, Anatomiste. Pionnier de l'Anatomie comparée, de la Biomécanique, de la Bionique et de la Physiognomonie* (Henry de Lumley, ed., CNRS editions, Paris). A large book on the genealogical and genetic history of the Da Vinci family is in press.

The Leonardo project showed that molecular biologists, population geneticists, microbiologists, forensic experts, and physicians could work together with other natural scientists and with genealogists, historians, artists, and curators to discover and decode previously inaccessible knowledge and to preserve cultural heritage. Scientists in the research laboratories of the Metropolitan Museum of Art took the lead in a trio of conferences on "Art Bio Matters" and now lead an active online community concerned with biology in art. The Foundation awarded grants to Yale University supporting molecular and genomic studies of artifacts in library and museum collections, to the University of Cambridge for exploration of paper documents as biomolecular archives, and to Berlin's Rathgen Lab for use of microbiomes to study



provenance and authenticity, including art fraud. A grant to Harvard University supports integration of neurosciences and arts in visual studies.

Science Education

The Foundation has sustained its commitment to science education, especially in the greater New York area. Especially gratifying is the growth of BioBus, for which the Foundation first provided seed funding in 2014 and has supported with subsequent scale-up grants. BioBus continues to expand their in-depth science programs for future scientists living in underrepresented communities by bringing their mobile labs to the students and by offering year-round programming in their BioBase state-of-the-art community science research labs. Sustained excellence is also the hallmark of the Dolan DNA Learning Center of the Cold Spring Harbor Laboratory, which extended its reach into Brooklyn and developed online materials to spread high-quality practices for use of aquatic DNA for environmental studies.

Seed grants from the Foundation helped start *The Journal of Emerging Investigators*, a science journal and mentorship program publishing research by middle and high school scientists, and the pen pal program, Letters to a Pre-Scientist, which connects students to STEM professionals through snail mail to broaden students' awareness of what STEM professionals look like and do at work and inspire all students to explore a future in STEM. *Skype a Scientist* matches classrooms, scout troops, or libraries with scientists for free Q&A sessions. The Science Club for Girls, which fosters excitement, confidence, and literacy for youth from underrepresented communities by providing experiential programs and interactions with women-in-STEM mentors also received core organizational support to grow.

Treasurer June Yearwood always reminds us, importantly, to continue to "think global, act local." Grants helped local efforts for citizen science in Brooklyn's Gowanus Canal and lower Manhattan's new Hudson River Park and provided week-long regional immersive science experiences for underserved minority teenagers in the "Dreams with No Limits" program. Far from New York, in Alabama and Minnesota, the Smithsonian Institution's Science Education Academies for Teachers also benefitted from Foundation



funds, as did an effort to build local capacity in Hawaii in astronomy. A grant to the University of Alabama supported research on wastewater treatment in the state's Black Belt.

At the national level, in 2017 the Foundation provided seed money to the National Coast Guard Museum Association, which has now raised more than \$100 million and is on track to open the museum in 2026 in New London, CT, as well as online. The Foundation provided a further grant in 2022 to help develop the incipient museum's STEM programming.

History of Science / Public Understanding of Science

The past few years saw several Foundation-supported books about the history of science and technology come to fruition. Iris de Rode's prize-winning *François-Jean de Chastellux (1734–1788): Un soldat-philosophe dans le monde atlantique à l'époque des Lumières* rediscovers the Chevalier de Chastellux, a polymath and member of the Académie Française, who acted as the principal liaison between the French military and George Washington. Jan Sapp's *Genes, Germs and Medicine: The Life of Joshua Lederberg* provides a panoramic view of life sciences during the second half of the 20th century. Dan McNichol (with Bill Goodrich and Pat Cashin) released *Second Avenue Subway: Building New York City's Most Famous Thing Never Built*, the epic story of building New York's "Q Train." Kerstin Lange's *Phantom Border: A Personal Reconnaissance of Contemporary Germany* tells the ecological story of the border between East and West Germany. French explorer Olivier Bleys' *La marche aux étoiles: En quête de ciels sauvages* tells the story of his search on foot in California for dark night skies suitable for understanding the stars.

Several notable books are in progress, including a history of the US National Academy of Sciences by Ruth Schwartz Cowan, Daniel J. Kevles, and Peter Westwick; and *Linda Zall and the Medea Task Force*, a book by Diane Ackerman about an earth scientist who used spy satellites to produce environmental data.

Historical projects addressing French subjects included Laure de Margerie's study of how French sculptures in a variety of genres and styles



came to the United States resulted in the elegant *French Sculpture: An American Passion*, which considers the politicians, collectors, dealers, and curators involved. Another project treats Emmanuel Bousuge's studies of the technical illustrations in Diderot's 18th-century *Encyclopédie*.

Films appearing or funded in the recent period included the two-hour documentary that aired on PBS, *The Lafayette Escadrille*, which tells the story of the American volunteers who flew and fought for France in World War I, becoming the founding squadron of American combat aviation. A new film from Galatée Production to be completed in 2025 is chronicling 200 days spent alone on a Pacific atoll by a French ecologist. The "Cosmic View of Life" project at New York City's American Museum of Natural History explores how immersive dome theaters developed for planetariums and space science might be used to explore "DNA sequence space" and other kinds of biological data that have become difficult to understand when reduced to the two dimensions of a sheet of paper.

For public understanding, the directors of the Foundation responded to concerns about the future of libraries, digital rights and costs, and scholarly publishing practices with a small series of grants. The Library Futures project at New York University promotes new possibilities for preservation and unfettered access to information; the Authors Alliance facilitates widespread access to works of authorship by assisting and representing authors who want to disseminate knowledge and products of the imagination broadly; the Center for Open Science aims to increase the openness, integrity, and reproducibility of scientific research; and DataCite aims to improve data citation to establish easier access to research data on the Internet, increase acceptance of research data as legitimate and citable contributions to the scholarly record, and support data archiving that will permit results to be verified and repurposed for future study. A grant to Yale University supports exploring the viability of converting the classic economics textbook of Paul Samuelson and William Nordhaus into a freely accessible online resource.



250th Anniversary of the Signing of the Declaration of Independence

A further aspect of public understanding is the upcoming Semiquincentennial or 250th anniversary of the United States Declaration of Independence, which Director Max Angerholzer has encouraged the Foundation to celebrate. To lift the value of recalling the Declaration, Foundation directors approved seven grants totaling about \$1.25 million focusing on education in the Revolutionary era and what we today call science and technology but would have mostly gone under the rubric of “natural philosophy” at the time. A grant to the American Philosophical Society centers on the careers of the scientists and engineers circa 1776, while a grant to Teachers College of Columbia University focuses on education and training. The University of Virginia is examining naval documents and technology, while a grant to the Jewish Museum supports exploration of Jewish life and education in Colonial America. The Alexander Hamilton Society is considering the beginnings of US foreign policy, and the Center for the Study of the Presidency and Congress will have its national undergraduate student cohorts for 2025 and 2026 focus on the origins and continuity of American innovation. Finally, a Lounsbery French-American 250th Fellows Program will provide opportunities for six early career scholars in France and America to spend a sabbatical during 2026 in the opposite nation.

Reflections

During the five years covered in this report, the Foundation directors reviewed and approved more than 150 new awards totaling roughly \$17 million. Divided among the categories in the tables that follow, where some grants appear in two categories, approximately \$1.8 million addressed Research and Exploration, \$5.4 million Science and Diplomacy, \$4 million Science Education, \$1.2 million Biology in Art, \$500,000 History of Science, \$1 million for COVID-19, \$1.2 million in recognition of the upcoming 250th anniversary, and \$3.3 million supported French-American cooperation. In addition, the Foundation distributed about \$1.3 million in 115 small grants capped at \$15,000. These grants undergo less extensive review but for the most part support the same themes as the larger grants.



Directors and officers recognize that the Foundation is relatively small in the US philanthropic scene, however, we hope that our simplicity, speed, flexibility, and choice of niches amplify the value of the grants. The Foundation, encouraged especially by Director Claire Max, has increased its efforts in evaluation. During the past three years we undertook careful assessments of the past decade of grant-making in Science Education, French-American Cooperation, and Science and Diplomacy. In each we found clear successes, minor disappointments, and much in a good but blurry middle. The success stories typically have common attributes of highly motivated principal investigators, favorable timing, and insight about an unfilled niche or market demand. If there is one overall lesson, I would say evaluation shows the need for proposals to increase emphasis on demand relative to supply. It is easy to pay an author to write a book, but it is hard to pay 10,000 people to read it.

Summarizing the program since 2020, I naturally also reflect on how time has judged actions and strategies of the preceding decades. Standouts from 2000–2010 continue to include Wikipedia and the Biodiversity Heritage Library, which both received Lounsbery seed funding. From 2010 to 2020, the work of Jonathan Haidt stands out. In 2016 and 2018 the Foundation made a pair of grants to social psychologist Professor Haidt to help start what has become the Heterodox Academy, now an influential institution, and he has through his scholarship become a leading public intellectual and noted critic of the rise in smartphone use. Initiated in the teens, the programs on Latin American science, ocean sound, and biology in art and, of course, BioBus also look good from today's vantage point. I leave it to readers to nominate efforts from the past five years most likely to thrive in the tests of time.

Transitions

The Foundation is extremely fortunate in the dedication and stability of our eight directors, foundation officers, and staff who are mentioned in these pages. I gratefully acknowledge David Sabatini for his commitment to the Foundation for over 30 years as he plans to step down as vice chairman of the Foundation in 2025 but will thankfully remain a director. In 2020 we bade farewell to Director R. Nicholas Burns, who resigned to become United



States Ambassador to the People's Republic of China, service which he has recently completed. Rose Gottemoeller, who like Nicholas Burns served in a leadership role at NATO, joined the Board and keeps us deeply informed on security and diplomacy in relations to sciences. Mathematician and biophysicist Michael Shelley also joined the Board and has already opened new areas of interest for us. Our senior consultant, biochemist Marguerite Mangin, similarly informs and harmonizes our French-American activities. Executive Director Elizabeth Brown has kept administrative expenses to a bare minimum, applications brief and clear, and decisions quick as our lone employee for over eight years. The quality of applications sustains the Foundation directors' generosity with their time and knowledge. Finally, of course it is the grantees who make it possible for the Foundation to do its work, and we thank them for their ideas and commitment. Collectively we seek to fulfill our mission in a way that would gratify the Lounsberys or their counterparts today and that encourages the citizens and government of the United States of America to allow institutions such as the Richard Lounsbery Foundation to operate with confidence, optimism, and great freedom.

James A. Auerbach



THE LOUNSBERY AWARD

The Richard Lounsbery Award honors young (aged 45 and below) French and American scientists for extraordinary scientific achievement in biology and medicine. The US National Academy of Sciences and the French Academy of Sciences select and celebrate the winner in alternate years. In addition to honoring scientific excellence, the award aims to stimulate research and encourage reciprocal scientific exchanges between the United States and France.

Vera Lounsbery established the Richard Lounsbery Award in memory of her husband, Richard Lounsbery, in 1978. In the words of the first recipients of the award, Michael S. Brown and Joseph L. Goldstein, who worked with Vera Lounsbery to establish the prize and elevate its importance to today's levels, "The achievements of the recipients who are chosen year after year determine the prestige of any award." Brown and Goldstein went on to win the Nobel Prize in Physiology or Medicine in 1985. Lounsbery Award recipients over the past forty-five years include six others who later received the Nobel Prize. Nine recipients of the Lounsbery Award later received the Lasker Award.



Vera Lounsbery

Links to information about the work of recent recipients are available at lounsbery.org/lounsberyawardrecipients.



Lounsbery Award Recipients

- 2024 JEAN-LÉON MAÎTRE For his studies on the origins of the forces responsible for cell deformation and displacement within mammalian embryos, including humans.
- 2023 MICHELLE MONJE For her groundbreaking discoveries that neuronal activity promotes adaptive myelination important for cognition, and that neuronal activity drives malignant glioma progression through neuron-to-glioma synapses and paracrine factors. These contributions have elucidated new perspectives in neuroscience and pioneered the field of cancer neuroscience.
- 2022 CLAIRE WYART For her outstanding research on the sensory interface between central nervous system and cerebrospinal fluid that controls our posture and movements.
- 2021 FENG ZHANG For pioneering achievements in the field of genome editing, including the discovery of novel CRISPR systems and their development as molecular tools.
- 2020 MARIE MANCEAU For her remarkable work in developmental biology, in particular training and evolution of periodic patterns on the plumage of birds.
- 2019 JAY SHENDURE For his pioneering work and leadership in the second wave of genomics that is transforming genetics and medicine.
- 2018 YOHANNIS BELLAÏCHE For his work on the genetic and mechanical regulation that underlies tissue proliferation, homeostasis and repair in physiological and pathological conditions including the mechanisms of local and long-range mechanosensing during cytokinesis that remodel the dividing cell adherens junction.
- 2017 PARDIS CHRISTINE SABETI For groundbreaking contributions to genetics and global health, including development of new methods to study evolutionary selection in humans and viruses, creation of new collaborative models for combatting emerging diseases across disciplinary and national borders, and leadership of global efforts to increase data sharing in pandemics including Ebola and Lassa fever.
- 2016 BRUNO KLAHOLZ For his work in structural biology on the regulation of gene expression at both the transcriptional level and the protein translation level.
- 2015 HOPI HOEKSTRA For her work probing the molecular basis of how adaptation to novel selective pressures establishes and sustains diversity during evolution.
- 2014 FRÉDÉRIC SAUDOU For his major contributions to the understanding of molecular and cellular mechanisms causing Huntington's disease.
- 2013 KARL DEISSEROTH For his seminal work in the field of optogenetics, in which insertion of a single bacterial protein into a neuron allows the cell to be controlled with light.
- 2012 OLIVIER POURQUIÉ For his work in embryonic patterning in vertebrates and particularly in the genetic and developmental mechanisms that control segmentation.



- 2011 BONNIE L BASSLER For her pioneering discoveries of the universal use of chemical communication among bacteria and the elucidation of structural and regulatory mechanisms controlling bacterial assemblies.
- 2010 GÉRARD KARSENTY For his work on the molecular mechanisms that underlie the formation and the remodeling of bone.
- 2009 CORNELIA I BARGMANN For her extraordinarily inventive and successful use of molecular and classical genetics to probe the individual nerve cell basis of behavior in *C. elegans*.
- 2008 JEAN-LAURENT CASANOVA For his contributions to understanding the genetic basis of the predisposition to viral and bacterial diseases of childhood, which have important clinical implications for the diagnostic and management of infectious diseases.
- 2007 XIAODONG WANG For his pioneering biochemical studies on apoptosis, which have elucidated a molecular pathway leading into and out of the mitochondrion and to the nucleus.
- 2006 CATHERINE DULAC For her major contributions in the perception and behavioral translation of pheromones in mammals.
- 2005 JOHN KURIYAN For his critical role in revealing the structural mechanisms underlying processivity in DNA replication and the regulation of tyrosine kinases and their interacting target proteins.
- 2004 BRIGITTE KIEFFER For her pioneering work on the molecular neurobiology of opioid-controlled behaviors, the results of which have very important implications for the treatment of pain, drug abuse, and emotional disorders.
- 2003 CAROL W GREIDER For her pioneering biochemical and genetic studies of telomerase, the enzyme that maintains the ends of chromosomes in eukaryotic cells.
- 2002 DENIS LE BIHAN For his work on the invention and development of nuclear magnetic resonance imaging of brain diffusion and perfusion. The method he developed permits in vivo mapping of nerve fiber bundles and has multiple applications in both medical pathology and cognitive science fields.
- 2001 ELAINE FUCHS For her fundamental insights into structure and function of cytoskeletal proteins and the relation of these proteins to human genetic diseases.
- 2000 MIROSLAV RADMAN For his contribution to the discovery of the molecular mechanisms implicated in the replication and repair of DNA, in particular, the discovery of a key enzyme of the DNA repair mechanism.
- 1999 ELLIOT M MEYEROWITZ For his pioneering contributions to the molecular genetics of plant architecture, which have practical implications for agriculture.
- 1998 PASCALE COSSART For her fundamental discoveries in microbiology dealing with mechanisms of bacterial entry and intracellular host motility.



- 1997 JAMES E ROTHMAN For his dissection of the biochemical mechanisms by which proteins are transferred from one cellular compartment to another and to the outside world. These mechanisms are important in neurotransmission, tissue biogenesis, and hormonal secretion.
- 1996 DANIEL LOUWARD and JACQUES POUYSSÉGUR For their contributions to the study of the regulation of cell division and differentiation.
- 1995 DOUGLAS A MELTON For showing how cells and tissues differentiate during vertebrate development through studies on localized mRNAs in eggs and the genes that induce mesoderm and neural tissue.
- 1994 JEAN-LOUIS MANDEL For his work in human genetics and in particular for his discovery of the mutation of fragile X. This new type of mutation has now been found at the origin of the diseases.
- 1993 STANLEY B PRUSINER and BERT VOGELSTEIN For their distinct and exciting discoveries about the pathogenesis of neurodegenerative and malignant diseases. This award is given as a celebration of the power of modern molecular medicine.
- 1992 PHILIPPE ASCHER and HENRI KORN For their discoveries of the mechanisms of synaptic transmission. Philippe Asher furthered knowledge regarding the properties of glutamate receptors which play an important role in trials, and Henri Korn brought to light the elementary liberation of neurotransmitter in quanta form in the central nervous system of vertebrates.
- 1991 MARC W KIRSCHNER For elucidating key steps in the cell cycle, chromosome movement, cell cycle timing, nucleus breakdown and reformation, and microtubule control of cell polarity and mitosis.
- 1991 HAROLD M WEINTRAUB For elucidating a molecular mechanism by which a single regulatory gene can lead to a program of cell differentiation.
- 1990 JEAN ROSA For his contributions, which have opened a new road in the control of oxygen transport in the blood and the treatment of the first worldwide genetic plague, drepanocytosis.
- 1989 RICHARD AXEL For his discoveries elucidating gene structure in animal cells.
- 1988 FRANÇOIS CUZIN For his original contributions in the elucidation of the mechanisms involved in malignant cell transformation, in particular, demonstration of the necessary contribution of two oncogenes.
- 1987 ALFRED G GILMAN and MARTIN RODBELL For their discoveries regarding the proteins and mechanisms that mediate cellular responses to the binding of ligands to cell surface receptors.
- 1986 ANDRÉ CAPRON and JACQUES GLOWINSKI For their fundamental work, which has contributed to the treatment of parasitic and neurological diseases.
- 1985 MARTIN GELLERT and THOMAS MANIATIS For their seminal contributions to our understanding of the structure and function of DNA, which were essential and fundamental to the development of recombinant DNA techniques.



- 1984 MAXIME SCHWARTZ For his genetic and biochemical analysis of the maltose system of E.coli, which paved the way for the solution of a series of fundamental problems in molecular biology.
- 1983 GÜNTER BLOBEL For his work in uncovering the molecular interactions that control the traffic of newly synthesized proteins in eukaryotic cells, for his incisive experiments, and for the beauty of the findings by which he established these interactions.
- 1982 PIERRE CHAMBON and JEAN-PIERRE CHANGEUX For their work on fundamental structures of genetic material and of the nervous system.
- 1981 PHILIP LEDER For his series of notable contributions in molecular genetics, which help to explain the means by which genetic information is organized and used to direct the synthesis of specific cell products.
- 1980 FRANÇOIS MOREL For his work on the physiology of the kidney.
- 1979 MICHAEL S BROWN and JOSEPH L GOLDSTEIN For their work in cholesterol biosynthesis.



BOARD APPROVED GRANTS: ALL CATEGORIES

2020–2024

Organization	Topic	Award Date	Amount	Category
2020*				
Colombian Academy of Exact, Physical and Natural Sciences, Bogotá	Supporting science in Venezuela through the Latin American Academy of Sciences	February	\$70,000	Science diplomacy
Gédéon Programmes, Paris	Documentary project: "Washington and Chastellux, the Birth of a Friendship"	February	\$150,000	US-France
Johns Hopkins University, Baltimore/Claude Bernard Lyon 1 University, France	France–USA joint research on deep degassing of abiotic hydrocarbons	February	\$100,000	US-France
Journal of Emerging Investigators, Inc.	Seed funding for a journal for pre- college scientists, the <i>Journal of Emerging Investigators</i>	February	\$75,000	Science education
Mr. October Foundation for Kids	After-school and summer STEM Education program in seven Bronx middle and high schools	February	\$60,000	Science education

*Monetary amounts shown here are often rounded and are not the precise amounts of the awards.



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Rathgen Research Laboratory, Berlin State Museums/ Baylor College of Medicine	Sampling microbiomes of cultural heritage objects for provenance and authenticity: A German, French, American collaboration	February	\$105,000	Biology in art
Yale University, School of Forestry and Environmental Studies	Marine pollution through the perspective of industrial ecology: An open-access issue of the <i>Journal of Industrial Ecology</i> on the oceans	February	\$70,000	Science education
BioBus	Virtual laboratory programs for underserved students	April	\$80,000	Science education COVID-19
Center for the Study of the Presidency and Congress	Rebuilding congressional arms control consensus	April	\$80,000	Science diplomacy
École normale supérieure de Lyon (ENS de Lyon)	Paris and St. Petersburg: A French-American study of Montesquieu to Catherine the Great, from enlightened prince to enlightened despot	April	\$115,000	Science diplomacy (US–France)
The Rockefeller University	A simple, safe system for obtaining and archiving saliva samples that may contain the COVID-19 virus: The Coronavirus Calendar (CoronaCal) project	April	\$120,000	Research and exploration COVID-19
University of Buenos Aires, Argentina, and National Research Council of Argentina (CONICET)	Curing spinal muscular atrophy: Roles of epigenetics	April	\$70,000	Science diplomacy
Woodrow Wilson International Center for Scholars	Reviving US–Russian scientific exchange in epidemiology	April	\$115,000	Science diplomacy
Yale University	Work in the time of COVID-19: Rapid estimates of the US employment situation, Phase I	April	\$60,000	COVID-19
Genetic Literacy Project	Vaccines: Research, logistical, policy, and communications challenges	July	\$60,000	COVID-19
National Council for Science and the Environment	Tracing the plastic pollution surge and its impact during the 2020 pandemic	July	\$75,000	COVID-19 (US–France)



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Science Club for Girls	Expansion of virtual programming as a result of COVID-19 pandemic	July	\$100,000	Science education COVID-19
Yale University	Work in the time of COVID-19: Rapid estimates of the US employment situation, Phase II	July	\$50,000	COVID-19
Council on Foreign Relations	Careers of Americans in international relations: The "How I Got Here" series	October	\$50,000	Science education
The Innovation Institute	Pilot lab-based, out-of-school time STEM program in Baltimore incorporating hybrid learning strategies	October	\$100,000	Science education COVID-19
German Historical Institute Moscow	The languages of diplomacy in the eighteenth-century world: A Russian, German, French, American scholarly collaboration	October	\$65,000	Science diplomacy
National Academy of Sciences	Connections to sustain science in Latin America, including increasing access to material for advanced science training	October	\$900,000	Science diplomacy
J. Craig Venter Institute	Characterizing microbial mechanisms in aging artwork	December	\$160,000	Biology in art
Institute of International Education	Scholar Rescue Fund: Saving lives and work of scholars from Latin America	December	\$200,000	Science diplomacy
Partnership for Observation of the Global Ocean	Citizen observation of plastic and other litter in West African coastal ecosystems	December	\$100,000	Science diplomacy

2021

Forensic Anthropology, Paleopathology and Bioarchaeology Research Center Association	Seed funds for the Center and to build ties with French and American scientists	February	\$125,000	Biology in art
French West Indies University	Archaeology of military ships lost in the Lesser Antilles during American War of Independence	February	\$49,000	US-France
Harvard University	Reconstructing ancient pandemics in France from archaeology and science	February	\$115,000	US-France



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Metropolitan Museum of Art	Art Bio Matters Conference 2021	February	\$70,000	Biology in art
School of Molecular and Theoretical Biology, Inc.	Promoting an international research experience and diverse student and faculty in the SMTB (in cooperation with Russian biologists)	February	\$98,000	Science education
University of California, Santa Barbara	Scientists and spies: History, achievements, and legacy of the CIA's MEDEA program to declassify remote sensing information relevant to environmental sciences	February	\$58,000	History of science
Centro de Investigaciones Biomédicas (CEINBIO), Uruguay	Scientific collaboration in Uruguay: A new dimension of viral infection processes	April	\$120,000	Science and diplomacy
Cold Spring Harbor Laboratory	Providing intensive biology support for New York City public schools	April	\$100,000	Science education
Gowanus Canal Conservancy and Gowanus Dredgers	Community science around water quality testing	April	\$96,000	Science education
Institute for Molecular and Cellular Biology of Rosario (IBR-CONICET-UNR)	Scientific collaboration in Argentina: The roles of MSRA and STARD3 proteins in non-vesicular cholesterol transport	April	\$120,000	Science and diplomacy
Pontificia Universidad Católica de Chile	Scientific collaboration in Chile: Transcriptional rewiring and directed evolution of circadian controlled fitness	April	\$120,000	Science and diplomacy
Smithsonian Institution	Space Science Education Academy for Alabama high school teachers	April	\$200,000	Science education
Teachers College, Columbia University	Overcoming COVID-related math and science learning loss in Harlem middle schools	April	\$150,000	Science education
American Museum of Natural History	Cosmic view of life on Earth: A collaboration between astrophysics and bioinformatics	July	\$150,000	Research and exploration
Andrew W. Marshall Foundation	Comparing US and French perceptions of China	July	\$97,000	US-France



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
FACE Foundation	Thomas Jefferson Fund to support collaboration between early career researchers in the US and France	July	\$111,000	US-France
Harvard University	Animation science competition for high school and junior high school students	July	\$100,000	Science education
Institut Jean Monnet "Unite Mankind"	Seed funding for the establishment of Institut Jean Monnet	July	\$65,000	US-France
Wildlife Conservation Society	US-Russian cooperation on environmental science and conservation in the Russian far east	July	\$150,000	Science and diplomacy
CELLF (Centre d'étude de la langue et des littératures Françaises)	The "Encyclopédie's" plates: The first comprehensive study of Diderot's visual dictionary	October	\$175,000	US-France
Consortium for Ocean Leadership	Planning an Ocean Sound Decade	October	\$100,000	Research and exploration
SETI Institute	An alert system for all citizen astronomers	October	\$199,000	Science education
Rice University's Baker Institute for Public Policy	To create a digital archive about science advice in the White House since 1989	October	\$50,000	History of science
University of California, Santa Cruz	Building capacity for Hawaii STEM workforce development to support US astronomy	October	\$202,000	Science education
New York Public Library, Astor, Lenox and Tilden Foundations and Yale University	To explore for DNA from artifacts in the Library for the Performing Arts' Archive and in particular to explore the genome of composer Franz Liszt in relation to his synesthesia	December	\$195,000	Biology in art

2022

African Diaspora Scientists Federation	Mobilizing diaspora scientists to contribute to training of African students in science	February	\$135,000	Science education/ Science diplomacy
Boston University	Conservation biology textbook for Africa: Second edition and French translation	February	\$40,000	Science education



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Cold Spring Harbor Laboratory	Videos and animations to explain environmental DNA to a broad audience	February	\$111,000	Science education
NATO Science and Technology Organization	Empowering NATO's technological edge: Environmental dimensions	February	\$600,000	Science and diplomacy \$300K - FY'22 \$300K - FY'23
New Parnassus Incorporated	Seed funding for a new opera about Napoleon exploring alternative historical outcomes	February	\$125,000	US-France
STEM Advocacy Institute	SAi Fellows Program - Launching the next generation of informal STEM programs	February	\$50,000	Science education
D-Fi USA, Inc.	Creating a network supporting the French PhD diaspora in the US	May	\$15,000	US-France
Humanus Documentary Films	Jazz in Paris — The Franco-American joy of swing	May	\$55,000	US-France
Institute of Biology and Experimental Medicine (IBYME)	Capitalizing on galectin-glycan interactions for the identification of novel anti-SARS-CoV-2 agents	May	\$100,000	Science diplomacy - Latin America
University of Alabama	Wastewater system installation and education in the Alabama Black Belt	May	\$160,000	Science education
University of Perpigan - Woods Hole Oceanographic Institution	Building the foundation of a global library of underwater biological sounds (GLUBS)	May	\$141,000	US-France
Universidad Siglo 21	An exploration of scientific history through the life of biologist David D. Sabatini	May	\$50,000	Science diplomacy - Latin America
American Councils for International Education	Visiting Scholar Program: Fellowships for displaced Ukrainian and Russian scholars	July	\$200,000	Science and diplomacy
FACE Foundation	Transatlantic research partnership for early career researchers in the US and France	July	\$110,000	US-France
Institute of International Education, Inc.	Scholar Rescue Fund: Support threatened and displaced scholars from Ukraine and Russia	July	\$300,000	Science and diplomacy
Mount Vernon Ladies' Association of the Union	Continuing to tell the story of Chastellux	July	\$119,000	US-France



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Russian-American Science Association	Russian American scholars in the pursuit of progress and human rights	July	\$50,000	Science and diplomacy
Stockholm International Peace Research Institute	Transition activities of Odesa Center for Nonproliferation Associated with Ukraine War	July	\$50,000	Science and diplomacy
University of Cambridge	Exploring paper documents as a biomolecular archive	July	\$93,000	Biology in art
World Monuments Fund	Ukraine Cultural Heritage Response Fund	July	\$100,000	Science and diplomacy
BioBus	Bridging the gap in BioBus funding and planning for the future	October	\$200,000	Science education
Center for the Study of the Presidency and Congress	France, the United States, and understanding Russia: A comparative reflection	October	\$141,000	US-France
Fred Hutchinson Cancer Center	Binational collaborative effort to study ancient human viral pathogens	October	\$5,000	Science and diplomacy
National Autonomous University of Mexico	Binational collaborative effort to study ancient human viral pathogens	October	\$117,000	Science and diplomacy
National Coast Guard Museum Association	National Coast Guard Museum (NCGM) Youth Education Program	October	\$135,000	Science education
New York University	Art Bio Matters 2023 to promote the study and scientific analysis of biological materials in cultural heritage	October	\$147,000	Biology in art
Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization	Support for early-career women in STEM to attend in-person the Science and Diplomacy Symposium 2022, Vienna Austria	October	\$42,000	Science and diplomacy
University of Buenos Aires, Argentina, and National Research Council of Argentina (CONICET)	Supporting an Argentine lab working toward a more precise combined therapy of spinal muscular atrophy using an epigenetic CRISPR strategy	October	\$200,000	Science and diplomacy
Academie des Sciences	Richard Lounsbery Award	December	\$130,000	Science and diplomacy



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
2023				
Association de Méjan	The Starry Walk - Writing project inspired by a 6-week walking and driving adventure under the California night sky	February	\$47,000	French-American
The Cayuga Bird Club, Inc.	<i>The New World of Senses</i> - A book about the latest science of the senses	February	\$55,000	Science education
Consortium for History of Science, Technology and Medicine	Expanding an online global community of scholars of history of science, technology, and medicine	February	\$50,000	History of science
Dreams With No Limits, Inc.	Seed funds for science, technology, engineering, and mathematics (STEM) programs for NYC male youth	February	\$100,000	Science education
Internet Archive	Advancing a library in a time of war	February	\$150,000	Science and diplomacy
National Academy of Sciences	Completion of book <i>The National Academy of Sciences in the American Democracy: A History: 1863–2013</i>	February	\$72,000	History of science
Universidad Simon Bolivar Alumni Association of America	Short internships to scientific laboratories in Latin American and Caribbean countries for early career scientists from Colombia and Venezuela	February	\$120,000	Science and diplomacy
French Academy of Sciences	Richard Lounsbery French-American Scientific Symposium 2024 and Alumni Network	May	\$130,000	French-American
American Museum of Natural History	Cosmic View of Life on Earth, Part 2	May	\$180,000	Science education / Exploration and research
D-Fi USA	Leading a sustainable nonprofit supporting the French science diaspora in the US	May	\$100,000	French-American
Harvard University	Who are the people of early medieval France?	May	\$200,000	French-American / Exploration and research



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Submerged Archaeological Conservancy International	The Kingston Harbour Archaeological Project: Excavation of French naval frigate <i>Junon</i> (1780), St. Vincent and the Grenadines	May	\$90,000	French-American / Exploration and research
Consulate General of France in Boston (Resources USA, Inc.)	US high school French language competition celebrating 200 years of Franco-American friendship	July	\$60,000	French-American
CRDF Global	Preservation of the collection of incunabula of the Vasyl Stefanyk Lviv National Scientific Library of Ukraine	July	\$110,000	Science and diplomacy
FACE Foundation	Transatlantic research partnership to support collaboration between early career researchers in the US and France	July	\$110,000	French-American
Global Zero	Enhanced transatlantic nuclear dialogues and coordination	July	\$4,000	Science and diplomacy
Journal of Emerging Investigators, Inc.	Emerging Science by Emerging Scientists, ElrXiv - The first preprint server for pre-college students' scientific research papers	July	\$125,000	Science education
National Academy of Sciences	Conflict, science diplomacy, and development of early career scientific networks in Eastern Europe	July	\$150,000	Science and diplomacy
Sea Search	Making Africa heard by growing the African bioacoustics community	July	\$80,000	Exploration and research
Authors Alliance, Inc.	Preventing digital obscurity by lowering legal obstacles to STEM publications	October	\$123,000	Science education
Cornell University	Building a globally synchronized passive acoustic monitoring experiment	October	\$165,000	Exploration and research
National Academy of Sciences	Engaging the STEM community to address human rights challenges	October	\$75,000	Science and diplomacy
Skype a Scientist	Lowering barriers to science access for global students and Philadelphians of all ages	October	\$60,000	Science education



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Smithsonian Institution	Academy for Teachers in St.Paul, Minnesota	October	\$200,000	Science education
University of Virginia	Naval Documents of the American Revolution - documentary editing project	October	\$87,000	French-American
Women in International Security	Support for women in international security: A data-driven approach	October	\$124,000	Science and diplomacy
National Academy of Sciences	Richard Lounsbery Award	November	\$130,000	Science and diplomacy
Federation of American Scientists	Trilateral NATO working group on future of arms control	December	\$133,000	Science and diplomacy
University of St. Andrews	Extending the value of Comprehensive Nuclear-Test-Ban-Treaty Organization acoustic measurements for environmental concerns	December	\$200,000	Science and diplomacy / Exploration and research

2024

Alex Foundation	Comparing grey parrots' intelligence to that of human children and adults	February	\$125,000	Research and exploration
Center for Open Science	Toward continuous, inclusive, and transparent evaluation of academic research	February	\$25,000	History of science / Public understanding
Geopedis Association	The Starry Walk - A documentary film about the night sky of California	February	\$75,000	French-American
Institute of Hydro-Engineering of Polish Academy of Sciences	Revisiting with modern experimental techniques Leonardo da Vinci's research in turbulent flows	February	\$60,000	Biology in art
Interspecies Internet	A hub for innovation to promote research on interspecies communication	February	\$150,000	Research and exploration
Library Futures c/o New York University	Addressing challenges associated with digitization and streaming and advancing digital rights in library communities	February	\$111,000	History of science / Public understanding
Universidad Simon Bolivar Alumni Association	Inter-institutional collaboration for early career scientists from Argentina, Uruguay, Chile, and Bolivia in fields of science and technology	February	\$200,000	Science and diplomacy



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Alexander Hamilton Society	Support for a national network of early career professionals to focus on the origins of American foreign policy, including its French aspects	May	\$125,000	America at 250
Center for the Study of the Presidency and Congress	Recognition of the 250th anniversary to focus on innovation and other themes relating S&T to America's history	May	\$250,000	French-American / America at 250
Cientifico Latino	Seed money for programs to lift participation and retention of Latino graduate students in the USA	May	\$50,000	Science education
DataCite	Advancing open science infrastructure for data in natural sciences	May	\$50,000	History of science / Public understanding
Jewish Museum	Study and curate an exhibition on Jewish life in Colonial America	May	\$150,000	America at 250
American Philosophical Society	Study and dissemination of knowledge about "America's scientific revolutionaries"	July	\$399,000	Science education / America at 250
Ice Memory Foundation, University of Grenoble-Alpes	Exploring biological markers in ice cores Ice Memory Foundation,	July	\$150,000	French-American
Indiana University	Making Renaissance Florentine burial records freely accessible online for historical and medical scholarship	July	\$70,000	Biology in art
New York University	Support for department of cell biology	July	\$56,000	Science and diplomacy
SETI Institute	A community astronomy network addressing the effect of growing numbers of low-orbit satellites on astronomical observations and public engagement	July	\$100,000	Science education / French-American
Teachers College, Columbia University	Formation of a network of historians to explore "1776: Seedtime of American Education"	July	\$210,000	Science education / America at 250
Universidad Simon Bolivar Alumni Association	Stipends, fellowships, and internships to help the University's best students and faculty in the life sciences	July	\$115,000	Science and diplomacy
Académie des sciences	Richard Lounsbery Award	August	\$130,000	French-American



BOARD APPROVED GRANTS: ALL CATEGORIES (continued)

Organization	Topic	Award Date	Amount	Category
Center for the Strategic and International Studies	Understand and strengthen US-Latin America educational exchange	October	\$250,000	Science and diplomacy
French-American Cultural Foundation	For English-language and US distribution of a documentary film about 200 days on a secret atoll	October	\$200,000	French-American
Harvard College	Curriculum development blending the science of optics into visual arts	October	\$100,000	Science education /Biology in art
Smith College	Provide pathways for women to advanced internships in computational and applied mathematics	October	\$101,000	Science education
University of Rhode Island	Building a new coalition of US oceanographic institutions to address critical ocean science challenges	October	\$153,000	Research and exploration
Yale University	Enable a freely accessible online version of the economics textbook of Paul Samuelson and William Nordhaus	October	\$120,000	Science education
Appalachian State University	Discretionary fund for biology students and faculty after Hurricane Helene	November	\$50,000	Science education
Yale University	Advancing techniques for DNA analysis of objects of cultural heritage	November	\$79,000	Biology in art



BOARD APPROVED GRANTS: FRENCH-AMERICAN

2013–2024

Organization	Topic	Award Date	Amount
Protestant University of Congo	Infectious disease research fellowship	7/25/13	\$100,000
Institute of Advanced Scientific Studies (IHES)	Visiting Africa scholar program	7/25/13	\$57,000
National Academy of Sciences	Richard Lounsbery Award	12/1/13	\$70,000
University of the Wisconsin	Genomic basis and parallel evolution of female-restricted color dimorphism in <i>Drosophila</i>	8/1/14	\$90,000
Mount Vernon Ladies' Association	Marquis de Lafayette and the European friends of the American Revolution	10/29/14	\$75,000
French National Center for Scientific Research, Roscoff Biological Station	Integrating DNA barcoding in the research vessel <i>Tara's</i> studies of plankton	10/29/14	\$75,000
Institute of Human Paleontology (Paris)	Anthropological and genetic study of Leonardo da Vinci	10/29/14	\$133,000
French Academy of Sciences	Richard Lounsbery Award	12/1/14	\$70,000
French Association for Gemology	Continent-to-continent collisions, gemstones, deposits of metals, oil, and gas	7/29/15	\$57,500



BOARD APPROVED GRANTS: FRENCH-AMERICAN (continued)

Organization	Topic	Award Date	Amount
Federation of American Scientists	French-American assessment of two naval nuclear propulsion systems	7/29/15	\$94,000
French-American Foundation	Event series and colloquium on cyber security	10/28/15	\$25,000
National Academy of Sciences	Richard Lounsbery Award	12/1/15	\$70,000
French-American Cultural Foundation	The Seasons: Seed funding for a film about forests and forest animals by Jacques Perrin	3/4/16	\$120,000
Institute of Human Paleontology (Paris)	French-American colloquium on evolution of the brain and cognition in fossil hominids	4/27/16	\$50,000
United States Foundation for the Commemoration of the World Wars	National World War I Memorial	7/28/16	\$1,000,000
French-American Cultural Foundation	Jazzmen Soldiers: 100th anniversary World War I commemoration	10/27/16	\$60,000
French Academy of Sciences	Richard Lounsbery Award	12/1/16	\$70,000
Royal Institute of International Affairs	Great War Alliance: World War I Centennial Project	2/16/17	\$62,000
Meridian International Center	Great War Alliance: World War I Centennial Project	2/16/17	\$62,000
National Academy of Sciences	The role of scientists and engineers in World War I: An essay contest of the Academies of Sciences, Engineering, and Medicine	5/2/17	\$76,000
Carnegie Council for Ethics in International Affairs	The living legacy of World War I	5/2/17	\$276,000
French-American Cultural Foundation	The Photographer: Seed funding for a film About the American West by Jacques Perrin	7/27/17	\$124,000
Humanus Documentary Films Foundation	The Lafayette Escadrille: A documentary on the World War I flying squadron	10/26/17	\$100,000
Atomic Heritage Foundation	French contributions to the Manhattan Project	10/26/17	\$50,000
French National Museum of Natural History	Genomics of insect-plant interactions	10/26/17	\$91,000
National Academy of Sciences	Richard Lounsbery Award	12/1/17	\$70,000
American Friends of Lafayette	The Lafayette Trail in America: A digital map	2/13/18	\$25,000



BOARD APPROVED GRANTS: FRENCH-AMERICAN (continued)

Organization	Topic	Award Date	Amount
American Hospital of Paris Foundation	The role of the American Hospital of Paris in World War II	2/13/18	\$100,000
Mount Vernon Ladies' Association	French-American connections: Chastellux and the French army in America during the Revolution	5/2/18	\$85,000
French National Museum of Natural History	Joint French-American expeditions to document marine biodiversity in New Caledonia	5/2/18	\$170,000
University of Grenoble – Alps	Temperature and composition of Earth's mantle: A French-Russian-American joint study	5/2/18	\$100,000
Institute of Human Paleontology (Paris)	A French-American colloquium on Leonardo da Vinci as anatomist	7/26/18	\$110,000
Harvard University	Research in neuroscience and cognition to help design games enhancing children's learning of mathematics	10/24/18	\$57,000
French National Institute of Health and Medical Research (INSERM)	Research in neuroscience and cognition to help design games enhancing children's learning of mathematics	10/24/18	\$147,000
French Academy of Sciences	Richard Lounsbery Award	12/1/18	\$70,000
Nasher Sculpture Center	French sculpture census in the United States	2/12/19	\$30,000
Center for the Study of the Presidency and Congress	Presidential Fellows Program: French Fellows Initiative	2/12/19	\$57,000
Walter Munk Foundation for the Oceans	French-American-Austrian study of Lake Altaussee for contamination by microplastics	2/12/19	\$50,000
Metropolitan Museum of Art	A French-American fellowship to advance biological sciences for understanding and conservation of cultural heritage	10/23/19	\$120,000
National Academy of Sciences	Richard Lounsbery Award	12/1/19	\$70,000
Gédéon Programmes, Paris	Washington and Chastellux Documentary Project	2/11/20	\$150,000
ENS de Lyon	From "Enlightened Prince" to "Enlightened Despot": from Montesquieu to Catherine II	4/29/20	\$102,684
National Council for Science and the Environment for Le Mans Université	Tracing the plastic pollution surge and impact during the 2020 pandemic	7/20/20	\$75,000



BOARD APPROVED GRANTS: FRENCH-AMERICAN (continued)

Organization	Topic	Award Date	Amount
French West Indies University	Archaeology of the military ships lost in the Lesser Antilles during the American War of Independence (1775–1783)	2/10/21	\$49,400
Harvard University	Reconstructing ancient pandemics in France from archaeology and science	2/10/21	\$115,000
FACE Foundation	Thomas Jefferson Fund to support collaboration between early career researchers in the US and France	7/21/21	\$111,100
Institut Jean Monnet	Seed funding for the establishment of the Institute Jean Monnet	7/21/21	\$65,000
Andrew W. Marshall Foundation	Seed funding for the establishment of the Andrew Marshall Foundation - France, The United States, and China 2050	7/21/21	\$97,264
Sorbonne Université CELLF	The Encyclopédie's Plates: The first comprehensive study of Diderot's Visual Dictionary	10/20/21	\$175,000
New Parnassus Incorporated	Seed funding for a new opera about Napoleon exploring alternative historical outcomes	2/16/22	\$125,000
Diaspora scientifique Francaise a l'international USA Inc. (D-Fi USA, Inc.)	D-Fi USA: Creating a network supporting the French PhD diaspora in the US	5/3/22	\$15,000
Humanus Documentary Films	Jazz in Paris - The Franco-American joy of swing	5/3/22	\$54,500
UPVD - WHOI	Building the foundation of a Global Library of Underwater Biological Sounds (GLUBS)	5/3/22	\$140,300
FACE Foundation	Transatlantic Research Partnership (formerly Thomas Jefferson Fund)	7/19/22	\$110,000
Mount Vernon	Continuing to tell the story of Chastellux	7/19/22	\$118,500
Association de Méjan	The Starry Walk - Writing project inspired by a 6-week walking and driving adventure under the California night sky	2/15/23	\$47,231
French Academy of Sciences	Richard Lounsbery French-American Scientific Symposium 2024 and Alumni Network	5/3/23	\$130,000
Harvard University	Who are the people of early medieval France?	5/3/23	\$200,000
Submerged Archaeological Conservancy International (SACI)	The Kingston Harbour Archaeological Project: Excavation of French naval frigate <i>Junon</i> (1780), St. Vincent and the Grenadines	5/3/23	\$90,000



BOARD APPROVED GRANTS: FRENCH-AMERICAN (continued)

Organization	Topic	Award Date	Amount
D-Fi USA, Inc.	D-Fi USA: Leading a sustainable nonprofit supporting the French science diaspora in the US	5/3/23	\$100,000
FACE Foundation	Trans-Atlantic research partnership, Year 3	7/19/23	\$110,000
Consulate General of France in Boston (Resources USA, Inc.)	US high school French language competition celebrating 200 years of Franco-American friendship	7/19/23	\$60,000
University of Virginia	Naval documents of the American Revolution. Documentary editing project	10/25/23	\$87,265
Geopedis Association	Starry Walk - A documentary film about the night sky of California	2/21/24	\$75,000
Center for the Study of the Presidency and Congress	Recognition of the 250th anniversary to focus on innovation and other themes relating S&T to America's history	5/7/24	\$250,000
SETI Institute	A community astronomy network addressing the effect of growing numbers of low-orbit satellites on astronomical observations and public engagement	7/24/24	\$101,000
Ice Memory Foundation, University of Grenoble-Alpes	Exploring biological markers in ice cores	7/24/24	\$150,000
Académie des sciences	Richard Lounsbery Award	8/20/24	\$130,000
French-American Cultural Foundation	For English-language and US distribution of a documentary about 200 days on a secret atoll	10/14/24	\$200,000



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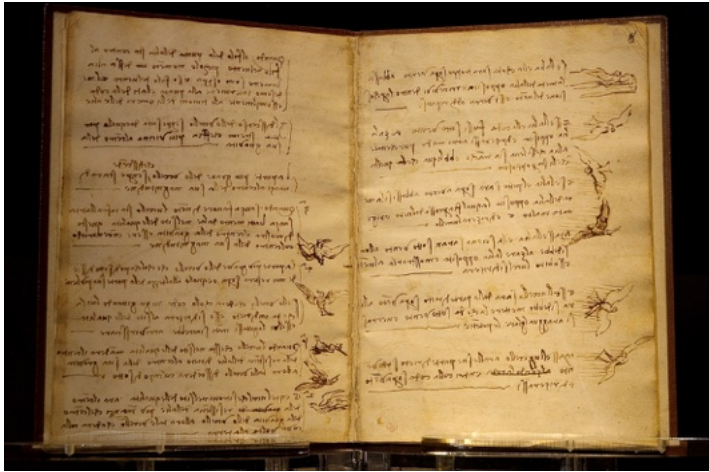
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Frederick Seitz

Glenn P. Strehle

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Leonardo da Vinci, Codex on the Flight of Birds.
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