



SÃO PAULO RESEARCH FOUNDATION

Bioreactor for producing
monoclonal antibodies

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The São Paulo Research Foundation (FAPESP) is one of Brazil's main scientific research-sponsoring agencies.

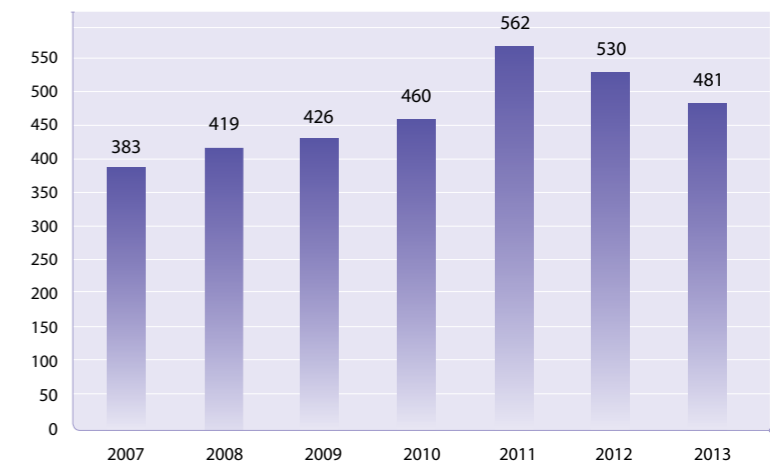
Established in 1962, its mission is to support the advancement of knowledge, research infrastructure and application-oriented research by awarding scholarships and grants in all fields of knowledge in Brazil and abroad.

Scholarships and grants may be obtained by researchers associated with public or private institutions of higher education or research institutions in the state of São Paulo through one of three funding instruments – Scholarships, Grants and Programs – according to the outline and objective of the scientific research proposal. Foundation support also includes sponsoring researchers from abroad who come to Brazil at the invitation of São Paulo research institutions as well as funding opportunities for partnerships with foreign universities or institutes to conduct collaborative research.

FAPESP revenue is guaranteed by the state constitution and corresponds to 1% of state tax revenue (excluding the portion for municipalities). The Foundation also has its own resources and other sources of funds arising from collaborative research agreements.

In 2013, Foundation revenues totaled \$PPP 509 million, 7% more than in 2012. The funds applied to research reached the \$PPP 481 million mark in 2013.

EVOLUTION OF FAPESP EXPENDITURES* – 2007 - 2013



* In million of \$PPP = purchasing power parity

SCHOLARSHIPS

Educational scholarships for researchers at various academic levels include the following:

Brazil

- Undergraduate 12 months
- Master's 24 months
- Doctorate 36 months, renewable for an additional 12
- Fast-Track Doctorate 48 months, renewable for an additional 12
- Post-doctorate 36 or 48 months, depending on the project grant mechanism

Abroad

- Scholarships for Research Internships Abroad are intended for grantees of FAPESP to conduct short- or medium-term research internships abroad.
- Fellowships for Research Abroad are geared toward researchers who have earned a doctorate and are associated with a research institution in the state of São Paulo. These are fellowships awarded for up to 12 months.

In addition to educational scholarships, FAPESP also awards the following in Brazil:

- Grants for Technical Training and Grant for Course Participation, both geared toward mid- to high-level technical experts or students in technical courses who participate in activities that support current research projects funded by FAPESP at institutions in the state of São Paulo.
- Grants in the Young Investigators, Public Education, Scientific Journalism and Innovative Research in Small Businesses Programs.

www.fapesp.br/en/fellowships

RESEARCH GRANTS

Regular Research Grants

These grants support individual projects led by researchers who hold a doctorate or its equivalent. They are awarded for a period of twenty-four months and may be renewed for an additional six months.

Research Grants – Thematic Project

These grants support projects that are ambitious enough to justify a duration of up to five years and are renewable for an additional 12 months. The projects are conducted by teams of researchers and have the potential to result in significant findings for the advancement of knowledge.

Other grant mechanisms

- Organization of scientific or technological meetings
 - São Paulo School of Advanced Sciences (SPSAS), a mechanism designed for organizing short-term advanced courses in a variety of fields
- Participation in scientific or technological meetings
- Publication of articles, annals, books or journals
- Grants to visiting researchers
- Repair of equipment used in research

FAPESP also provides research grants through theme-oriented programs with specific objectives.

www.fapesp.br/en/30

Researcher holding a volumetric flask in the laboratory

LEO RAMOS

SPECIAL RESEARCH PROGRAMS

FAPESP offers a series of research programs geared toward specific objectives, often in cutting-edge fields such as biodiversity, bioenergy, global climate change, eScience and multidisciplinary areas.

In keeping with these objectives, they are classified as:

- Research Infrastructure Programs
- Theme-Oriented Programs
- Application-Oriented Research Programs (business or government)

www.fapesp.br/en/31

RESEARCH INFRASTRUCTURE PROGRAMS

These programs support the improvement and modernization of laboratories at institutions of higher education and research institutions, updates to library collections and purchases of equipment. They also seek to strengthen the role of advanced research centers in strategic areas as well as to provide incentives for implementing new lines of scientific research in the state of São Paulo through Research, Innovation and Dissemination Centers (RIDCs) and Young Investigators Awards (YIA), respectively.

Orchid-like crystals in the interior of CaO-Li₂O-SiO₂ glass.
E.D.Zanotto. *Cristais em vidros - Ciência e Arte*. EdUFSCar. Dez, 2011

Research, Innovation and Dissemination Centers (RIDCs)

This program is designed to provide up to 11 years of funding to world-class research centers whose mission is to develop high-impact, socially or commercially significant fundamental or applied research, to contribute to innovation through technology transfer and to offer extension activities geared toward elementary and high school education and the general public.

The RIDC program began in 2000 and supported 11 research centers from 2001 until 2013. Through 2024, FAPESP will support 17 centers in such fields as biodiversity, cell therapy, photonics, neurosciences and metropolitan studies.


Total funding for the second round of the 11-year program period is US\$ 680 million, with US\$ 370 million from FAPESP and US\$ 310 million in salaries paid by host institutions to researchers and technical experts. Additional funding may be obtained for each center from industry partners and other research sponsoring agencies. This program constitutes one of the largest investments in research programs ever made in Brazil.

cepid.fapesp.br/en/home

Young Investigators Awards (YIA)

This program's main objective is to establish job opportunities for promising young researchers or groups of young researchers from Brazil or abroad, preferably at emerging research institutions, or at traditional institutions focused on establishing new lines of research. The program is part of FAPESP's strategy to strengthen the state research system by promoting the establishment of new research groups to focus on cutting-edge issues of international significance that are new to researchers in the state of São Paulo.

www.fapesp.br/en/4479



Amazon river flooding
in the region of Parintins,
state of Amazonas, Brazil

THEME-ORIENTED RESEARCH PROGRAMS

FAPESP Research Program on Global Climate Change (RPGCC)

The FAPESP Research Program on Global Climate Change (RPGCC) seeks to advance the world's knowledge of the issue by compiling data and scientific information about regional phenomena that affect the global climate. The program's research findings are expected to help in making scientifically based decisions regarding risk assessments and strategies for mitigation and adaptation.

The program includes a substantial technological component for the development of appropriate technologies for the future, and it has already contributed to the development of the Brazilian Earth System Model (BESM). This climate model for the region specifically focuses on the Amazon and Southern Atlantic regions and their influence on global climate change.

www.fapesp.br/en/4485

FAPESP Research Program on eScience

The FAPESP Research Program on eScience seeks to integrate computational modeling and data infrastructure into research studies in a wide variety of fields.

Through the program, FAPESP plans to organize and integrate research groups involved in studies on algorithms, computational modeling and data infrastructure with groups of scientists involved in other fields, ranging from biology to the social sciences.

www.fapesp.br/en/8437

THEME-ORIENTED RESEARCH PROGRAMS

FAPESP Bioenergy Research Program (BIOEN)

The BIOEN program has three main objectives: increase sugarcane productivity via molecular biology, to assess and mitigate the environmental and socioeconomic impacts of bioenergy production and to generate knowledge about the processes involved in bioenergy production and application, ensuring a leadership position for Brazil in the research and industry's production.

Launched in July 2008, the program coordinates the research conducted at universities and research centers with that conducted in company laboratories.

MAIN AREAS OF RESEARCH

- Biomass for bioenergy (with a focus on sugarcane);
- Biofuel manufacturing processes;
- Biorefineries and alcohol chemistry;
- Ethanol applications in automotive engines;
- Socioeconomic, environmental and land use impacts.

www.fapesp.br/en/472



Sugarcane seedling at the Sugarcane Technology Center in Piracicaba, São Paulo

Savanna flower in the city of Pratania, SP

THEME-ORIENTED RESEARCH PROGRAMS

BIOTA-FAPESP Program

The FAPESP Research Program on Biodiversity Characterization, Conservation, Restoration and Sustainable Use (BIOTA-FAPESP) seeks to catalog and characterize the biodiversity of the state of São Paulo by defining mechanisms for its conservation, assessing its economic potential and encouraging its sustainable use.

Research includes molecular genetics for species classification; evolutionary studies to understand the origins of processes that promote, preserve or reduce biodiversity; and investigation of the human dimensions of conservation and sustainable use.

Data produced within the scope of the program contribute to the training of human resources and the subsidization of public conservation policies. Through its bioprospecting network, BIOTA-FAPESP also transfers knowledge to the private sector for the development of new products and technologies.

Since its establishment in 1999, the program has already resulted in the discovery of more than 1,800 new species, the publication of approximately 700 scientific articles in indexed scientific journals and the drafting of two maps that identify conservation units based on 151,000 records of more than 9,000 species.

www.fapesp.br/en/4662

APPLICATION-ORIENTED RESEARCH PROGRAMS

FAPESP Technological Innovation in Small Businesses Program

This program supports the development of research in small businesses for the purpose of promoting technological innovation, increasing competitiveness and contributing to the placement of researchers in the job market.

www.fapesp.br/en/299

Partnership for Technological Innovation Program

This program is intended to finance projects developed in partnership with universities and research institutions in the State of São Paulo and businesses located in Brazil and abroad. Project proposals may be presented as Immediate Action Requests, which are considered for acceptance throughout the year, or as Agreement Requests, which are considered for selection when FAPESP and companies announce calls for proposals.

www.fapesp.br/en/300

Public Policy Research Program (PPP)

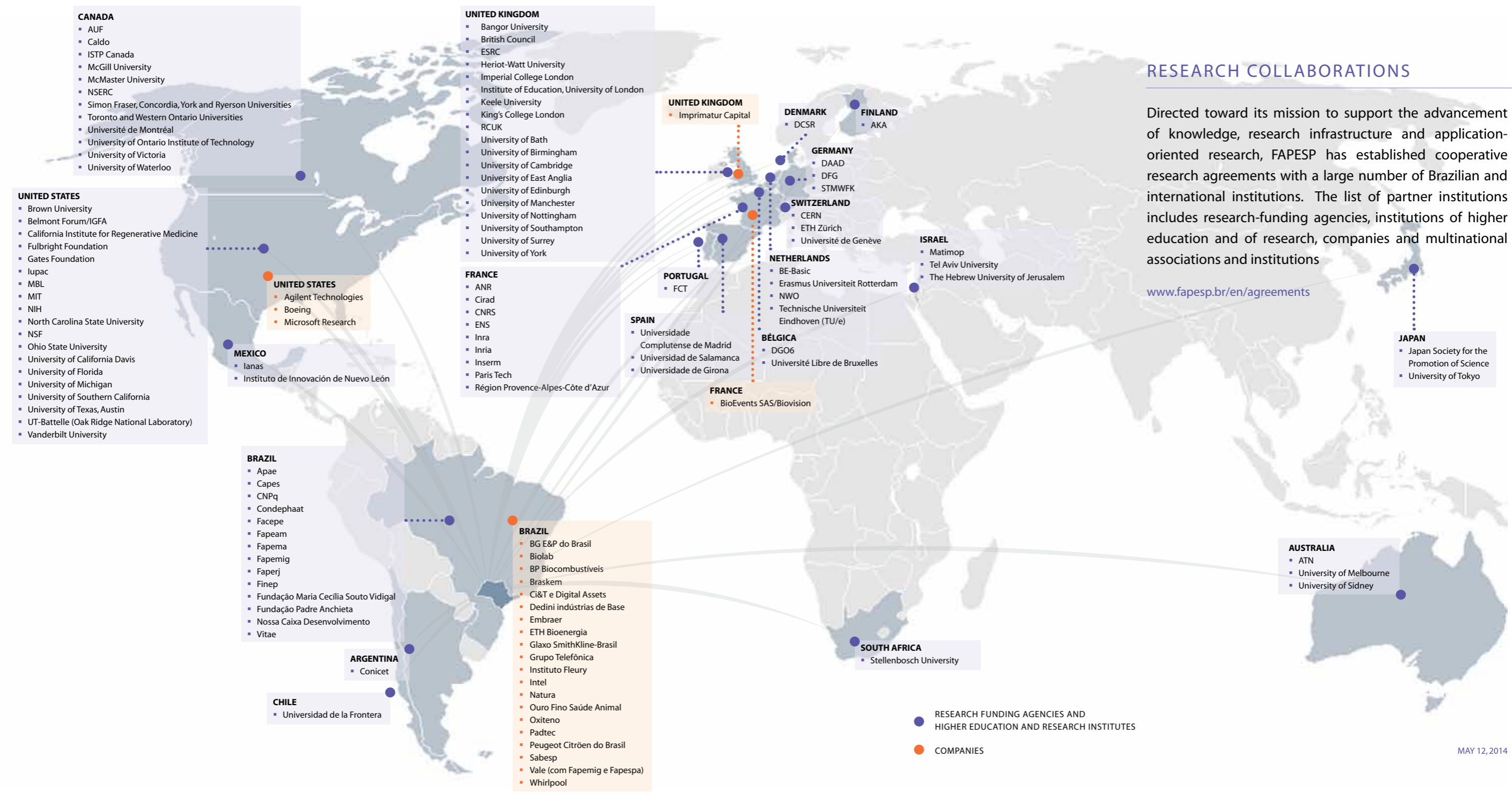
This program funds research geared toward addressing the problems of society by bringing the São Paulo system of science and technology together with society and applying the research study results to the formulation and management of public policies.

Protein dosage plate: brighter blue indicates a higher protein concentration where antibody binding will occur

RESEARCH COLLABORATIONS

Directed toward its mission to support the advancement of knowledge, research infrastructure and application-oriented research, FAPESP has established cooperative research agreements with a large number of Brazilian and international institutions. The list of partner institutions includes research-funding agencies, institutions of higher education and of research, companies and multinational associations and institutions

www.fapesp.br/en/agreements





<http://www.fapesp.br/en>

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