



FAPESP

The State of São Paulo Research Foundation

The Institution

As established by its constitution, the State of São Paulo, Brazil, allocates 1% of its total tax revenue to FAPESP for the funding of scientific and technological research in all areas of knowledge.

The creation of FAPESP in 1962, aimed at providing the State with an independent research support organization that should complement and articulate with the federal funding of research in the State. FAPESP is an autonomous body and works strictly on a peer review basis.

To achieve its goals, FAPESP maintains regular and special programs of research grants and fellowships. The projected total investment to be made by FAPESP during the fiscal year 2001 is of approximately R\$ 400 million. Traditionally 30% of FAPESP's investment is directed to fellowships.

By law the administrative costs of FAPESP may not exceed 5% of its investment in research.

Regular Programs

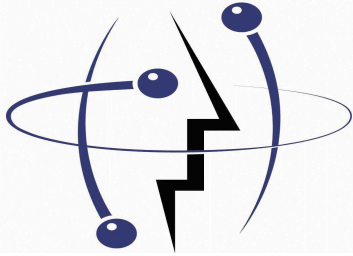
1. Research Grants
2. Fellowships
3. Visiting Fellowships
4. Scientific and Technological Meetings
5. Scientific Publication

Aprox.: 8.000 fellowships
 6.000 Research Grants

Thematic Projects Grants

Research projects in all areas of knowledge conducted by Principal Investigators who are experienced researchers with recognized leadership in their respective fields. The circa 280 thematic project grants currently being supported by FAPESP provide a representative sample of the excellence in research in the State of São Paulo. For this reason, besides funding the direct costs of the research activities for a period of four years, FAPESP provides also substantial support for exchange activities and indirect costs related to maintenance and modernization of the research infra-structure.

Thematic Projects offer excellent opportunities for post-doctoral fellowships, both for Brazilians and foreigners, as they may last for up to four years, limited to the duration of the project.



Technological Innovation

These programs currently support more than 300 (PIPE+PITE) research projects proposed by industry.

- a) Industry/Research Institution Partnerships for Research and Development: *Research projects developed in the academic environment requiring matching funds from the industrial partner (66 projects and 45 companies).*
- b) Small Business Innovation Research: *Research projects developed by investigators in small companies. (250 companies)*

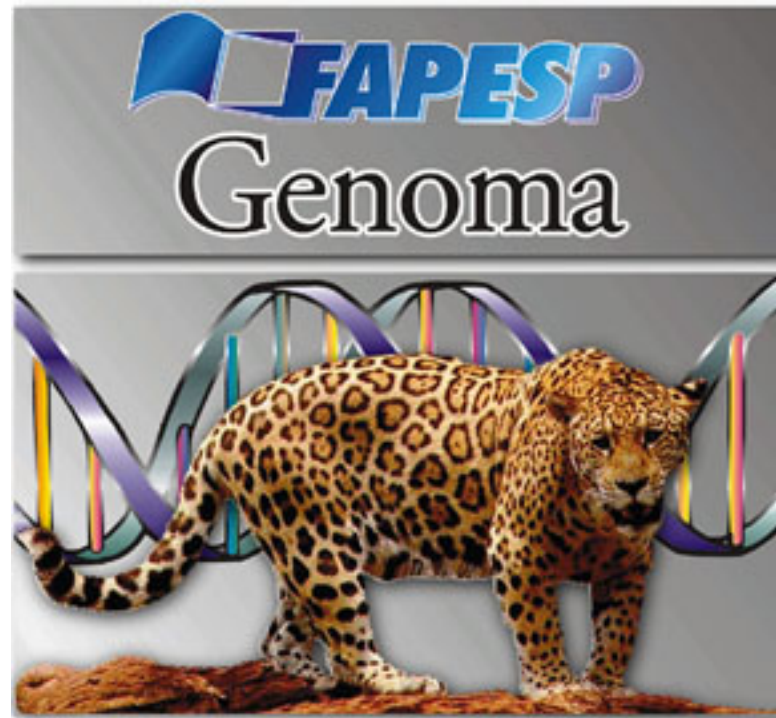


Bio-diversity in the State of São Paulo

Program aiming at the study of all aspects – botanical, zoological and microbial – of the Bio-diversity in the São Paulo.

BIOTA - is a virtual institute involving more than 500 researchers from several research institutions of the State

The Program was awarded the Henry Ford Prize in the category of environmental initiative of year 2000



Organization for
Nucleotide
Sequencing and
Analysis

The Virtual Genomics Institute

Genome Program

A virtual Genomics Institute, the ONSA network, comprising more than 60 labs is currently carrying out four genome projects:

- a) the complete genome of two plant-pathogenic bacteria, each of them responsible for serious diseases affecting citrus plantation in the State of São Paulo: *Xylella fastidiosa* and *Xanthomonas campestris*;
- b) the Cancer Human Genome Project (in collaboration with the Ludwig Institute for Cancer Research) aiming at sequencing expressed genes in tumor cells;
- c) the Sugarcane EST Project for the sequencing of expressed genes of Sugarcane.
- d) the Eucalyptus EST Project

Other 20 labs participate in the Functional Genomics Initiative studying the biological functions of the genes identified in the genome project of the *Xylella fastidiosa*.



Research Innovation and Diffusion Centers - CEPID's

Large scale, long term funding of centers combining multidisciplinary scientific activities with knowledge transfer to industry and government and educational initiatives.

- Antonio Prudente Cancer Research Center
- Center for Applied Toxinology
- Center for Metropolitan Studies
- Center for Research on Cell-based Therapy
- Center for Sleep Studies
- Center for Structural Molecular Biotechnology
- Center for the Study of the Human Genome
- Center for the Study of Violence
- Multidisciplinary Center for Development of Ceramic Materials
- Optics and Photonics Research Center

Young Investigator Awards

Around 280 postdoctoral fellows are being supported – fellowships and research grants – by this program, aimed at the expansion and decentralization of the State research system. Besides a fellowship FAPESP provides funding of equipment and consumables necessary for the project.

This program is complementary to the regular postdoctoral fellowship program currently funding 850 posdocs.



SciELO *Scientific Electronic Library Online*

SciELO is a FAPESP supported virtual library of Brazilian scientific journals in electronic format. (Library collection - 90 periodicals) thus, providing visibility and access to the Brazilian scientific production. Access to the full text is free.

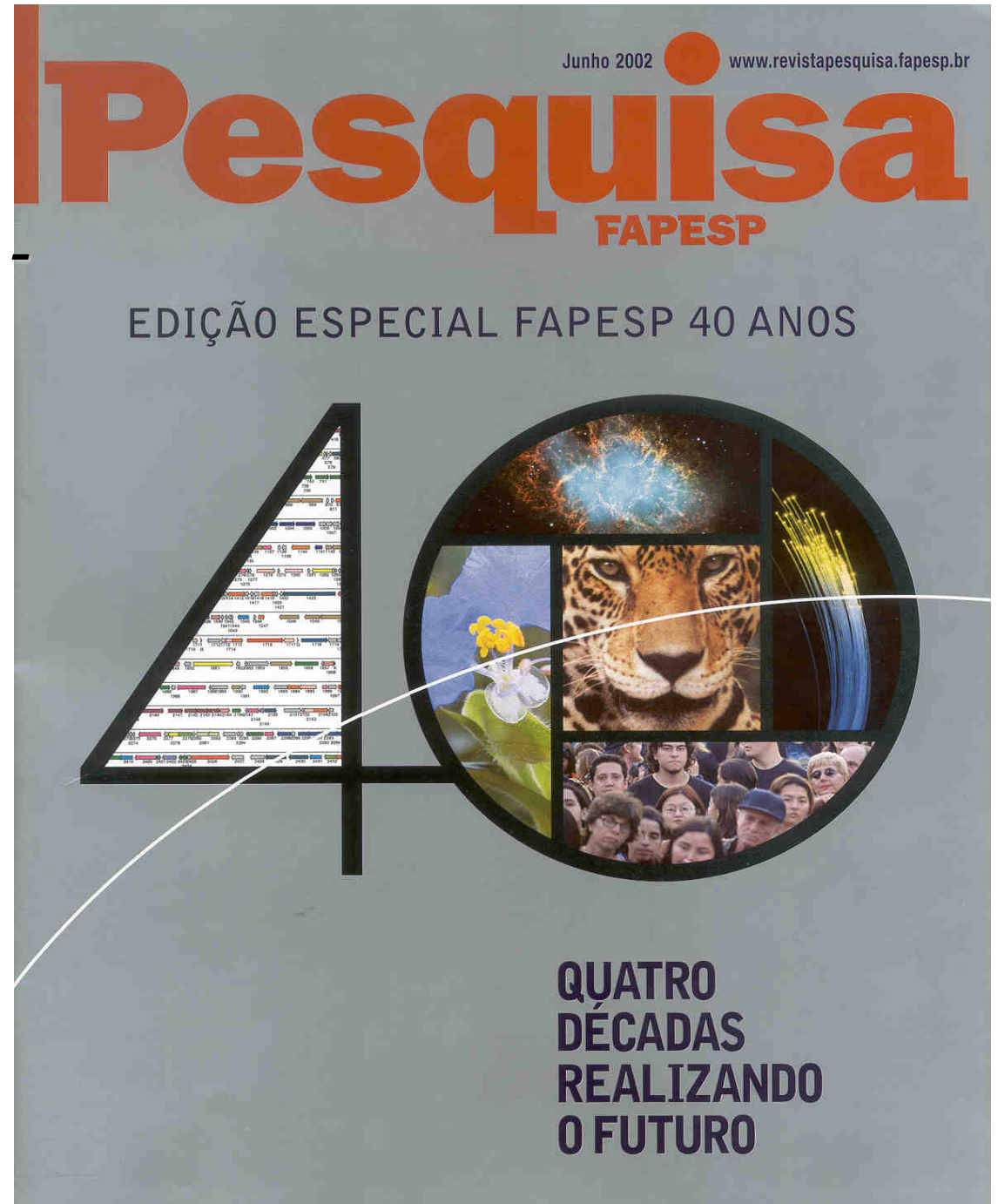
<http://www.scielo.br>

Media Science

Program aimed at fostering excellence in the media coverage of Science and Technology. Projects are developed in partnership between communication companies and institution offering courses in Scientific Journalism.

*“José Reis”
Scientific Journalism Award -
2001*

(33.000 copies/monthly)



TIDIA program: General Characteristics

The INTERNET as subject of research

Generate Human resources in quantity and quality

Generate knowledge, competence, expertise

Promote small business

Attract large industries for partnerships

Promote multidisciplinary research

TIDIA PROJECTS: CHARACTERISTICS

Cooperative Projects

Incentive Industry Partnership

**Define R&D foci with inputs from
Research Community + Industry + Government**

Welcome new groups willing to learn

Measurable deliverables

Scalability – fast growth

Three Projects (initially):

1- Advanced Communications (TESTBED)

2- APPLICATIONS of the future Internet (E-learning)

3- Virtual INCUBATOR of Internet content

TIDIA program - Project 1: TESTBED

- **R&D on Enabling Technologies for the Advanced Internet**
- **Dark fiber everywhere**
Multiple logical networks on same fiber (DWDM)
- **Dark optical cable in selected links**
Multiple, simultaneous physical networks on same cable but different fibers
- **Large Research Facility for field test**
- **“Unlimited” capacity Infrastructure for advanced Internet applications (Projects 2 and 3 of TIDIA Program)**

WebLab

Ensino de Ciências Experimentais via Internet Treinamento a distância

Experimentos em Laboratório real
realizados via Internet (ou Intranet)

Ensino não presencial
Não é um laboratório virtual

Poderá revolucionar o modo de ensinar
ciências experimentais

Treinamento técnico
Demo de instrumentos/produtos

...

