
Science, Technology and Innovation in São Paulo, Brazil

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The São Paulo Research Foundation, FAPESP

State of São Paulo, Brasil



41 Million people (20% Brazil)

34% of Brazil's GDP

50% of Brazilian science

13% of State budget to HE and R&D

1.68% GDP for R&D

3 State Universities

3 Federal Universities

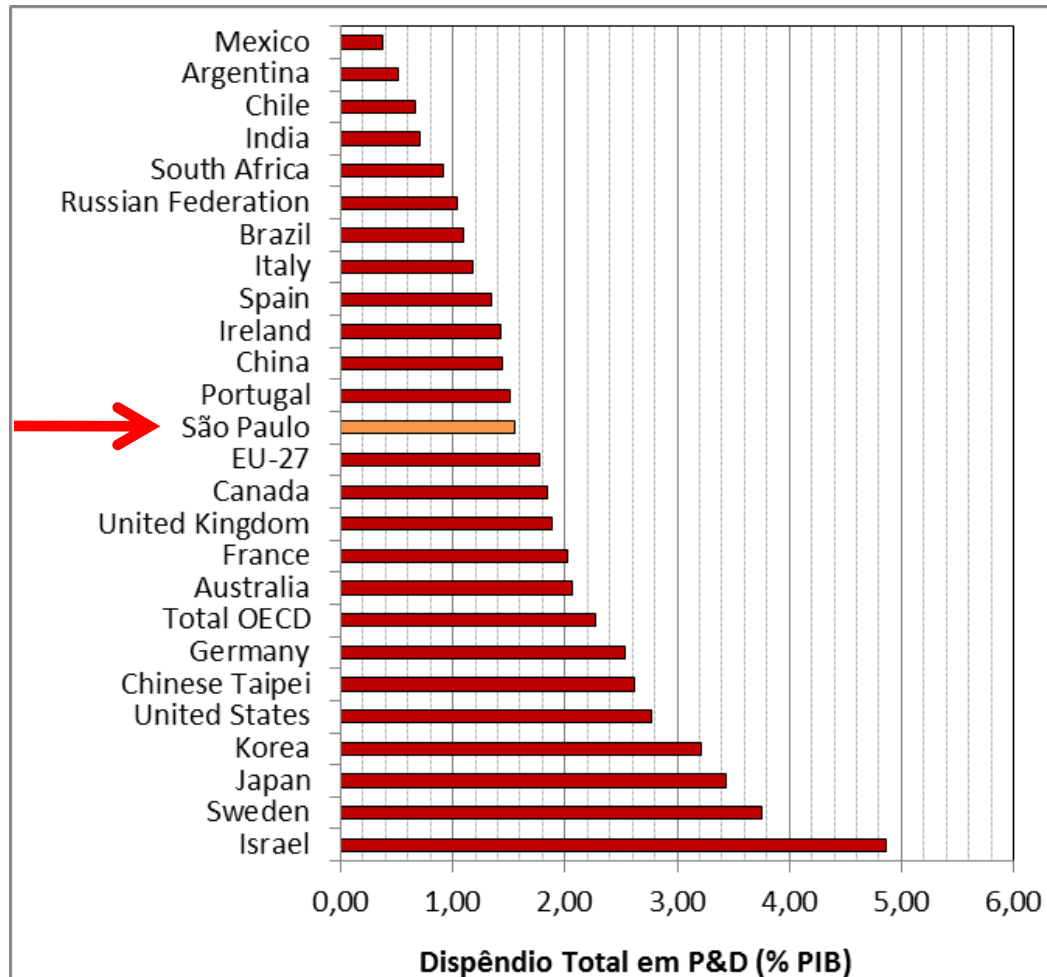
52 State Tech Faculties

45% of the PhDs graduated in Brazil (4,937 in 2010)

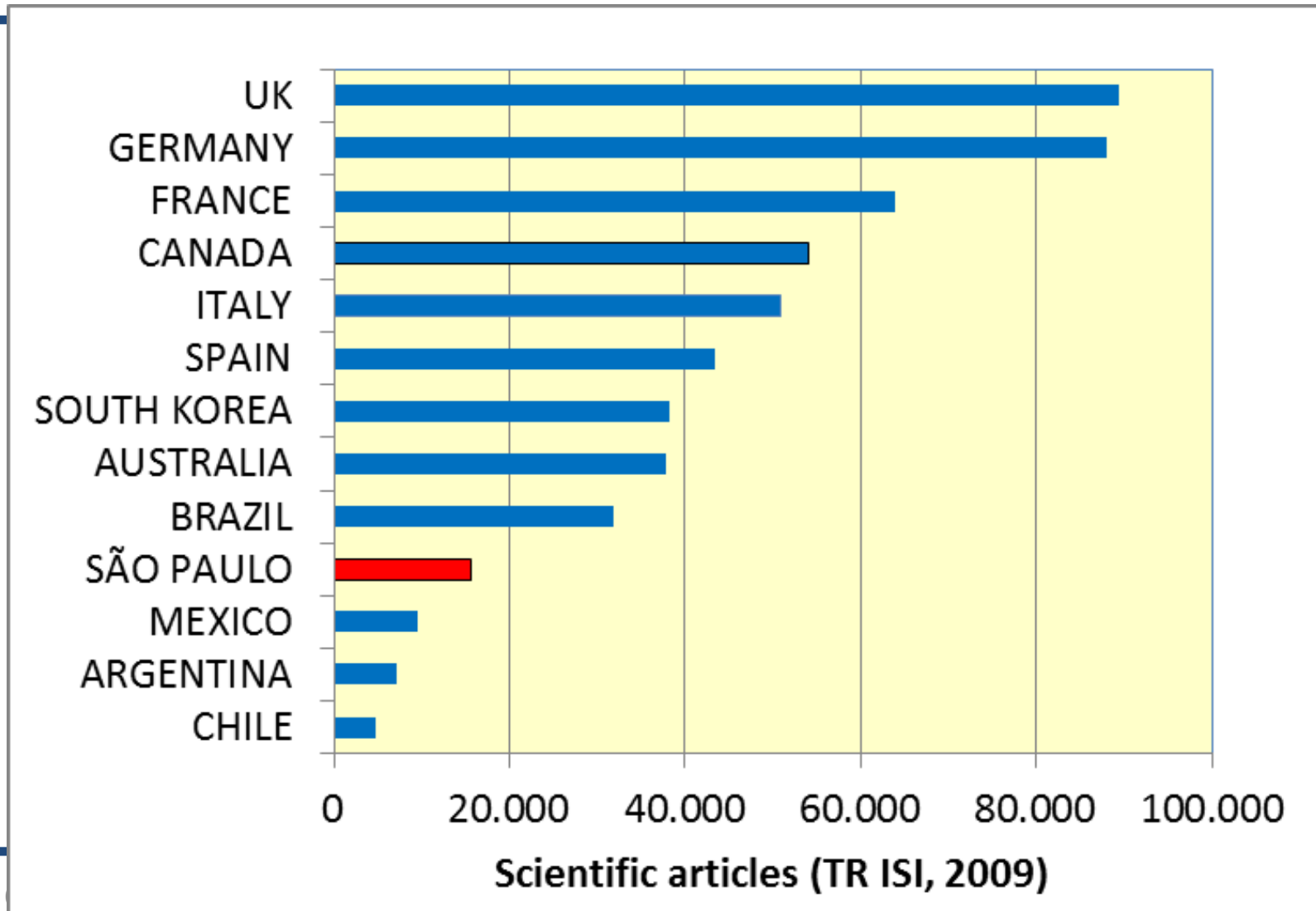
22 Research Institutes (19 state/3 federal)

1 Research Foundation

SP, R&D Expenditure International standing



São Paulo: 2nd largest science producer in Latin America



Fapesp: São Paulo Research Foundation

- Mission: support research in all fields
- All proposals are peer reviewed (21,000 proposals in 2012)
- Funded (1962) by the State of São Paulo with 1% of all state revenues
- Annual budget: US\$ 530 M in 2012



Some of FAPESP's main programs

- **12,000 Fellowships (SI, Training, MSc, Dr, PostDoc,)**
- **Research grants**
 - 17 Centers for Research, Innovation and Diffusion (CEPID) - 11 years funding
 - 312 Young Investigator Awards – 4 years funding
 - 419 Thematic Research Projects – 5 years funding
 - 3,983 Regular Research Grants – 2 years funding
- **Special Programs**
 - Biota: Virtual Institute for Biodiversity
 - BIOEN: Bioenergy Research
 - PFGCC: Global Climate Change Research
 - Neurosciences: Epilepsy (using imaging)
 - IT and Advanced Internet
 - Large, multiuser research instruments
- **Application oriented research**
 - Joint University – Industry (PITE)
 - Small bussiness research (PIPE)

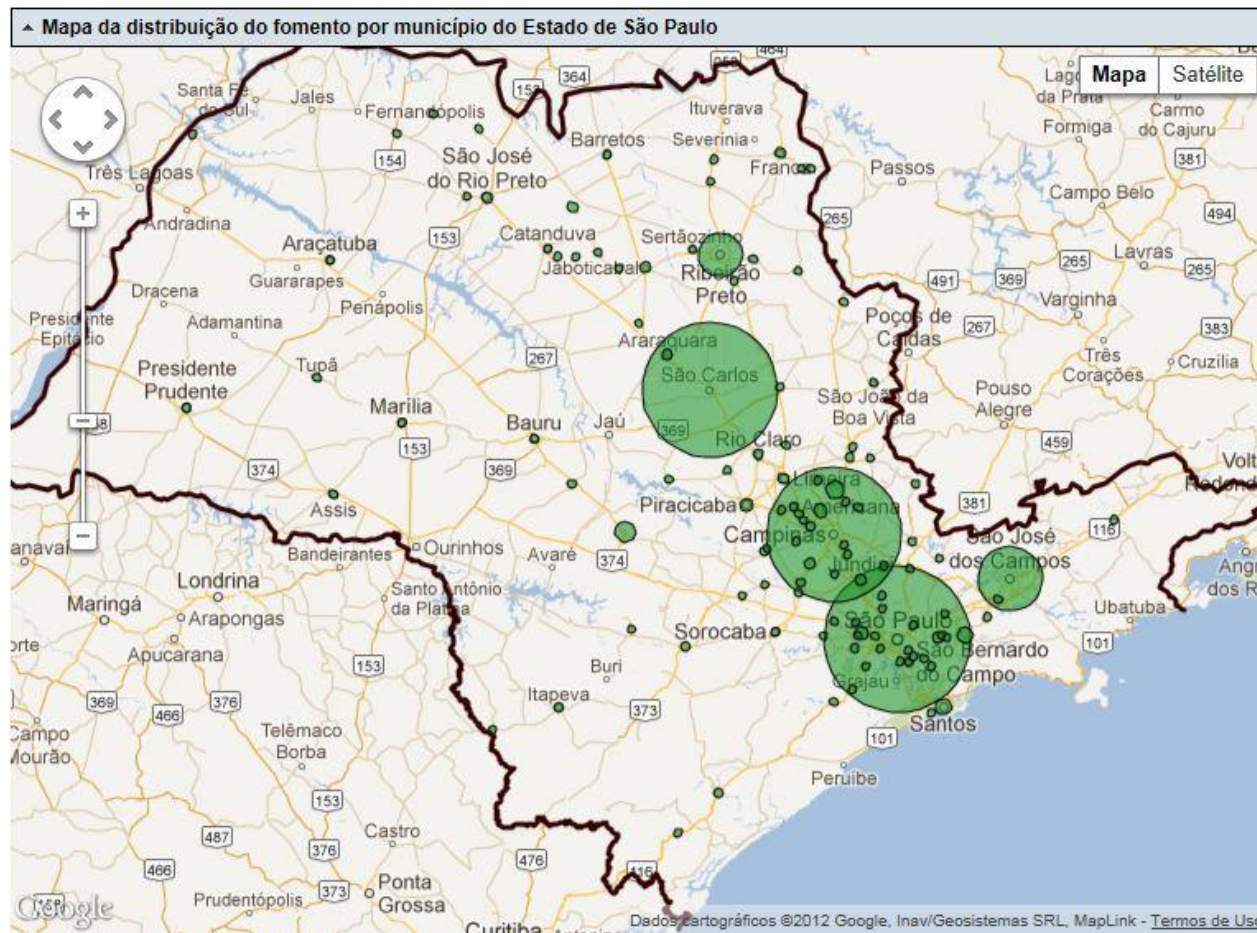
(Business and Government)

APPLICATION-ORIENTED RESEARCH PROGRAMS

Research for Technological Innovation

- PIPE – The Research for Technological Innovation in Small Businesses Program
 - Research projects developed by researchers in small companies
- PITE – The Partnership for Technological Innovation Program
 - Research projects developed in partnership with R&D institutions in the State of São Paulo and businesses located in Brazil and abroad

Geographical distribution of PIPE projects



FAPESP PIPE – ALTAVE
Surveillance balloon.

FAPESP PIPE – Wheel Chair



Applied health projects



Home » Agreements

FAPESP-MRC Call: Zika Rapid Response Initiative

Closing date: 22/02/2016 - 12:00



To better understand the nature of the risk posed by the Zika virus, the Medical Research Council (MRC) launched a **rapid response funding initiative** (www.mrc.ac.uk/funding/browse/zika-rapid-response-initiative/).

Considering the RCUK/FAPESP memorandum of understanding, FAPESP is hereby announcing guidelines for researchers in the State of São Paulo who might be interested in partnering with colleagues from the UK.

1. Scope

Short term (12 – 18 month) proposals are sought that will provide novel, critical and timely insights into the nature of the risk posed by the Zika virus and/or potential avenues for its management or prevention.

Tanyx acelera recuperação do Neymar para jogo contra a Colômbia



Índice

Buscar

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Pesquisa Inovativa para o Combate ao Vírus Zika e ao mosquito Aedes aegypti

SELEÇÃO PÚBLICA FAPESP E MCTI/FINEP/FNDCT – SUBVENÇÃO ECONÔMICA À PESQUISA PARA INOVAÇÃO - Subvenção Econômica Nº 0107077500

PESQUISA PARA O DESENVOLVIMENTO DE TECNOLOGIAS PARA PRODUTOS, SERVIÇOS E PROCESSOS PARA O COMBATE AO VÍRUS ZIKA E AO MOSQUITO AEDES AEGYPTI

Science instrumentation







Agência  FAPESP


NOTÍCIAS




AGENDA

VÍDEOS

ASSINE

 24


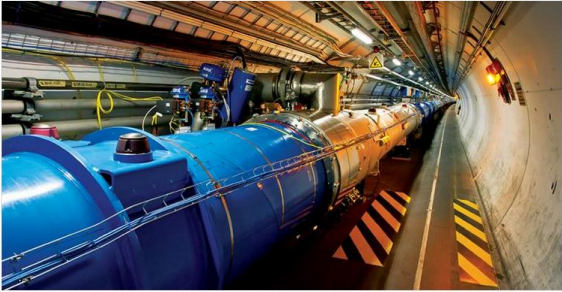
  

Cientistas planejam detectar novas partículas elementares no LHC a partir de 2015

22 de agosto de 2014

Por Elton Alisson

Agência FAPESP – A operação do Grande Colisor de Hádrons (LHC, na sigla em inglês), da Organização Europeia para Pesquisa Nuclear (Cern), na Suíça, poderá contribuir, a partir de 2015, para a descoberta de partículas elementares ainda não observadas experimentalmente e testar teorias que ultrapassam o conhecimento da Física atual.



Operação com mais energia a partir de 2015 poderá contribuir para a descoberta de partículas não previstas pela Física atual, avaliam pesquisadores (foto: Cern)

TP-SAIFR), e apoiado pela FAPESP, o encontro outros países da América do Sul.

realizados no LHC nos últimos anos, quando o tes de elétrons-volt.

edação por feitos a partir de 2015, quando será

The Large Hadron Collider is the world's largest and most powerful particle accelerator (Image: CERN)

Fapesp –Industry joint calls for proposals

- Fapesp and a company issue a joint call for proposals
 - Themes proposed by industry
 - Exploratory R&D
 - Joint Steering Committee
 - Merit reviewed by Fapesp
- Agilent, BP Biofuels, Biolab, Boeing , Braskem, Ci&T, Cristalia, Dedini, Embraer, ETH Bioenergy, GSK, Microsoft Research, Natura, Research, Ouro Fino, Oxiten, Padtec, Petrobrás, PSA Peugeot Citroën, SABESP, Telefonica, VALE, Whirlpool, ...

FAPESP Engineering Research Centers

- Peugeot Citroën: Engineering Research Center for Biofuel Engines
- BG: Research Centre for Gas Innovation
- Natura: Center for Applied Research on Well-being and Human Behavior
- GSK: Green Chemistry
- GSK: Target Discovery
- Hosted on SP universities and co-funded up to 10 years.

FAPESP recent programs on Computer and Data Science and Engineering



FAPESP AND INTEL CALL FOR PROPOSALS (CFP)

1. INTRODUCTION

FAPESP and INTEL publish this Call for Proposals and invite interested researchers, working within public or private Higher Education or Research Institutions in the State of São Paulo, to submit projects under the cooperation agreement between FAPESP and INTEL, under the terms and conditions hereinafter set forth.

2. SUBJECT

Academic research on side-channel resistant security for system-on-a-chip (SoC) devices.

3. OVERVIEW

FAPESP and Intel's corporate University Research Office (URO) invite proposals from researchers in the State of São Paulo in Brazil on side-channel resistant security for lightweight Internet of Things (IoT) devices. IoT devices are expected to proliferate significantly in the coming years and pose unique challenges due to limited hardware resources, energy constraints, cost limitations, low bandwidth, and physical exposure to attackers. Unlimited access to IoT devices, in particular, creates opportunities for attackers to exploit side-channel information in order to obtain cryptographic keys, access-controlled data, or other types of protected information. Intel requests proposals for non-incremental research leading to compelling techniques and technologies that will make future lightweight IoT devices significantly more secure against side channel attacks than the current state-of-the-art.

4. BACKGROUND

System-on-a-Chip (SoC) based devices are expected to proliferate significantly in the coming years. One well-known source projects the total number of Internet connected devices globally to reach 25 billion by 2015 and 50 billion by 2020.¹ Dramatic increases in SoC-based device technologies will continue to be seen in such fields as

- Consumer electronics (digital cameras, media players, GPS devices, gaming)
- Mobile communications (smart phones, feature phones, cellular base stations)
- Health and medicine (diagnostic equipment, patient monitoring devices, medical imaging)
- Transportation (vehicle control systems, traffic monitoring and regulation)
- Energy (smart meters, climate sensors, energy management systems)

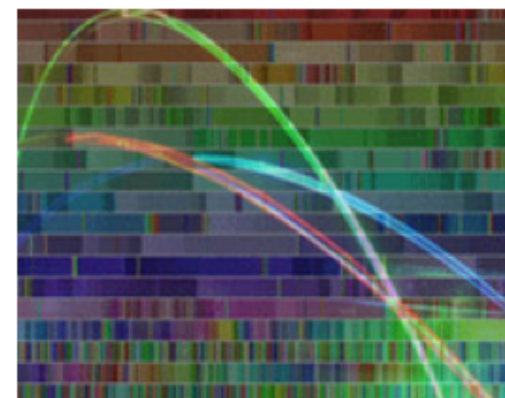
FAPESP announces call for eScience program

FAPESP announce a call for research proposals for the new Research Program on eScience.

The call for research proposals is open to interested researchers associated to non-profit teaching and research institutions in the State of São Paulo. The main goal is to identify, select and broaden world-class, basic and applied research associated to the relevant topics described in the call.

Relevant topics for this call for research proposals are as follows. However, the call for proposals is not restricted to these topics and additional issues that fit in any eScience area are welcome.

- eScience algorithms and models
 - Mathematical models
 - Data-oriented approaches
 - Digital repositories and data management
 - Extreme scale approaches
- Cyberinfrastructure to support eScience
 - Novel hardware
 - Novel uses of cyberinfrastructure
 - Software, services, protocols, and research tools
- eScience target domains, including:
 - Agricultural Sciences



Proposals can be submitted electronically until April 28th, 2014



Especiais

R\$ 98 milhões para pesquisas sobre a internet

19/12/2013

Rodrigo Garcia, Raupp, Lafer, Paulo Bernardo e Meirelles, durante a cerimônia de assinatura do convênio para apoiar projetos sobre aplicações-chave, engenharia e tecnologia e fundamentos científicos (foto: Eduardo Cesar)

Agência FAPESP – O Ministério das Comunicações, o Ministério da Ciência, Tecnologia e Inovação e a FAPESP firmaram um convênio de cooperação no valor de R\$ 98 milhões para apoiar projetos de pesquisa científica e tecnológica que contribuam para o desenvolvimento da internet no Brasil.

A assinatura do convênio, ocorrida na quarta-feira (18/12) na sede da FAPESP, contou com a presença dos ministros Marco Antônio Raupp (Ciência, Tecnologia e Inovação) e Paulo Bernardo (Comunicações); de Rodrigo Garcia, secretário de Desenvolvimento,

Ciência, Tecnologia e Inovação do Estado de São Paulo; João Carlos Meirelles, assessor especial de Assuntos Estratégicos do governo do Estado de São Paulo; Celso Lafer, presidente da FAPESP; Carlos Henrique de Brito Cruz, diretor científico da FAPESP; Virgílio Augusto Fernandes Almeida, secretário de

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Notícias

Ciência de Alimentos na Unicamp oferece disciplina de pós

Aulas serão ministradas pelos professores Frédéric Carlin, do Inra, e Anderson Sant'Ana, da Unicamp

Notícias

Laboratório da



Notícias

Pós-doutorado em Espectroscopia Vibracional com Bolsa da FAPESP

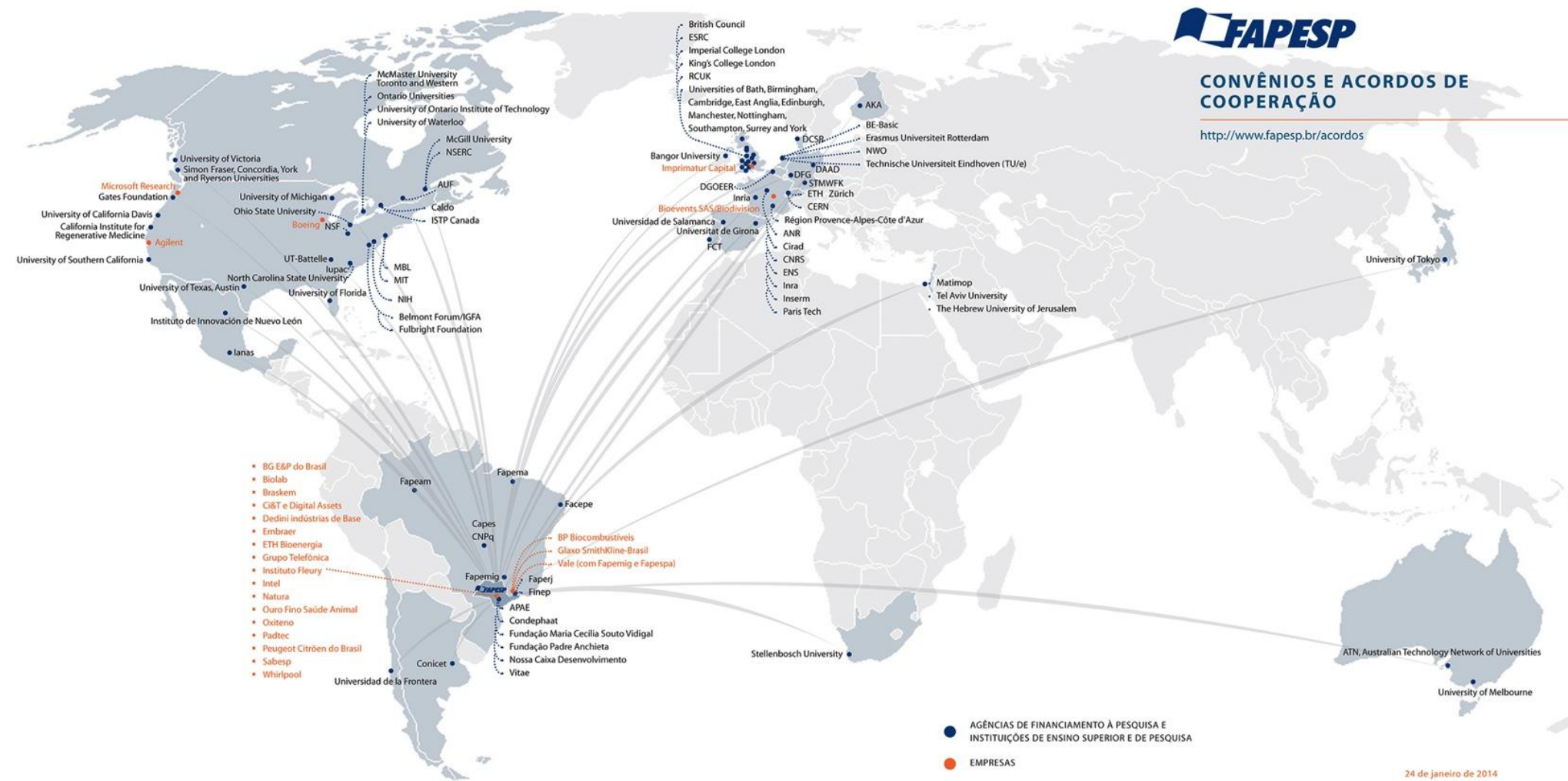
Bolsista atuará em projeto temático no Instituto de Química da USP

Notícias

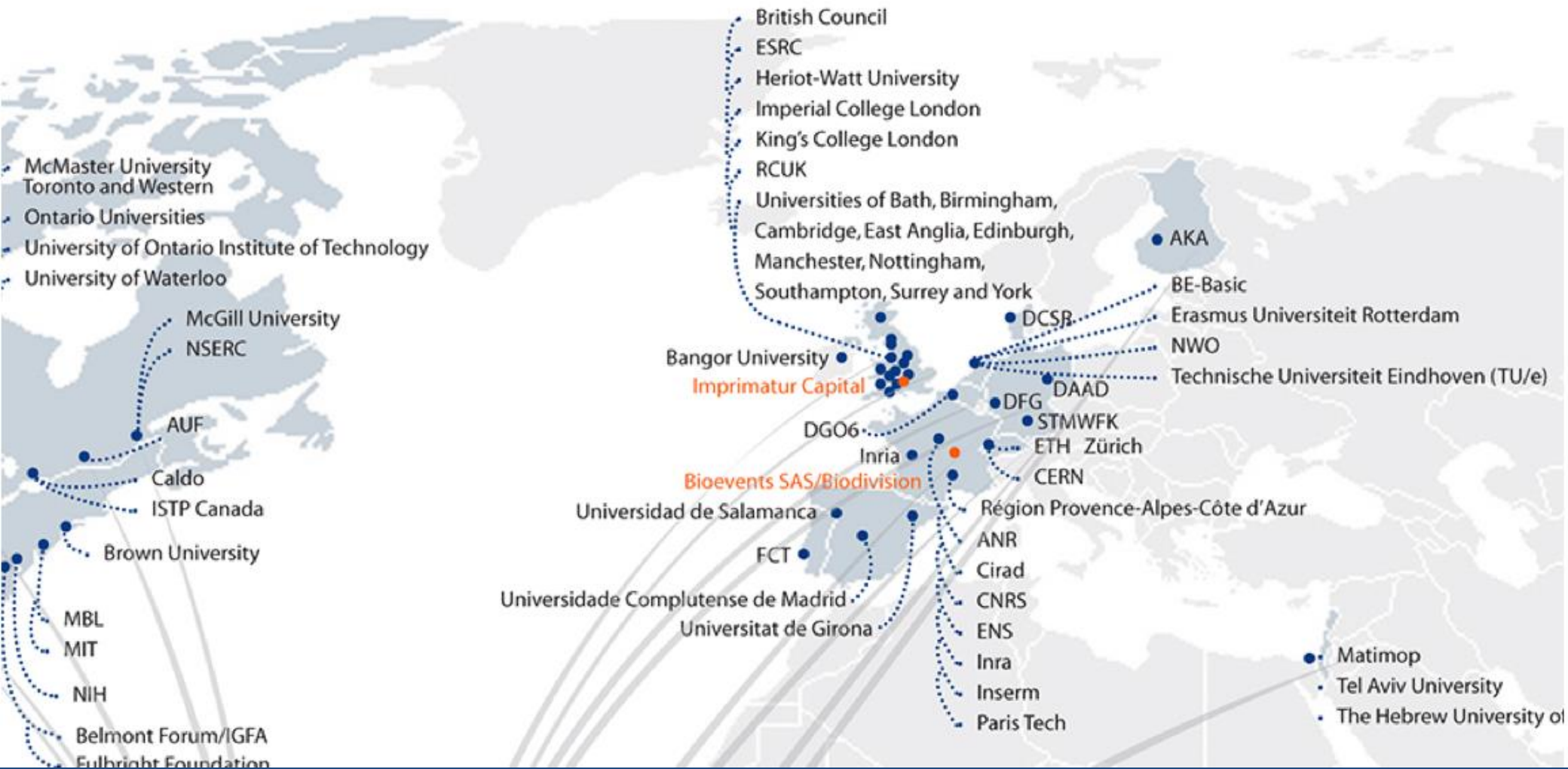
Instituto de Pesquisa em

INTERNATIONALIZATION

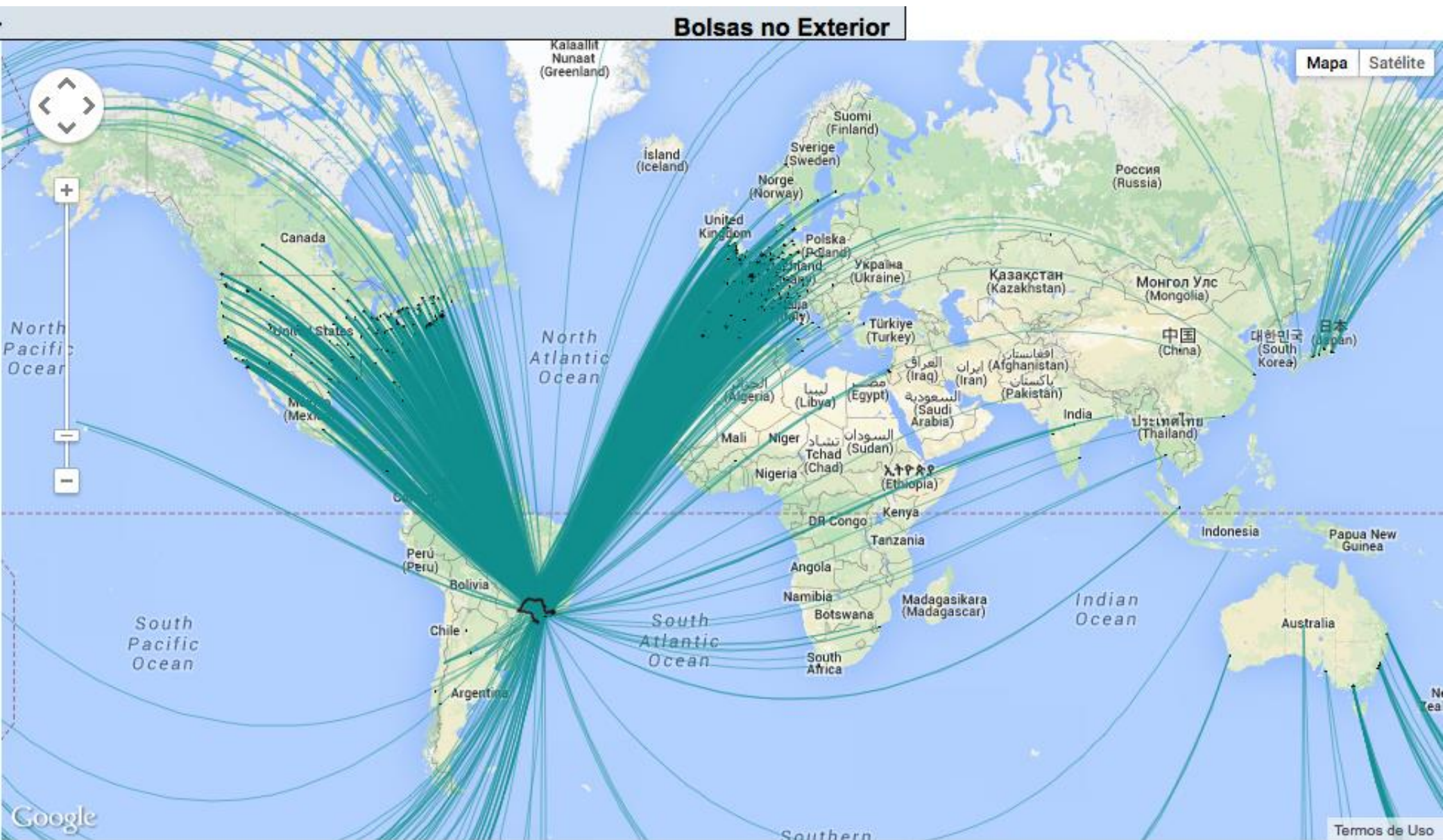
FAPESP International agreements



•Fapesp: São Paulo Research Foundation



•Fapesp: funded scholarships



Further FAPESP Information

- <http://agencia.fapesp.br/en/>



- <http://www.bv.fapesp.br> (all funded projects online)