

# ***FAPESP Funding for R&D in Small Businesses***

Building a Successful Industrial Biotech Start-Up

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Sérgio Queiroz

Associated Professor – DPCT/IG/Unicamp

Coordinator for Research and Innovation – FAPESP

# State of São Paulo, Brasil



44 Million people  
 32% of Brazil's GDP  
 48% of Brazilian science  
 13% of State budget to HE and R&D  
 1.6% GDP for R&D

3 State Universities  
 3+1 Federal H.E. Institutions  
 52 State Tech Faculties  
 45% of the PhDs graduated in Brazil (5,754 in 2013)  
 22 Research Institutes (19 state/3 federal)  
 1 Research Foundation

# *FAPESP – The São Paulo Research Foundation*

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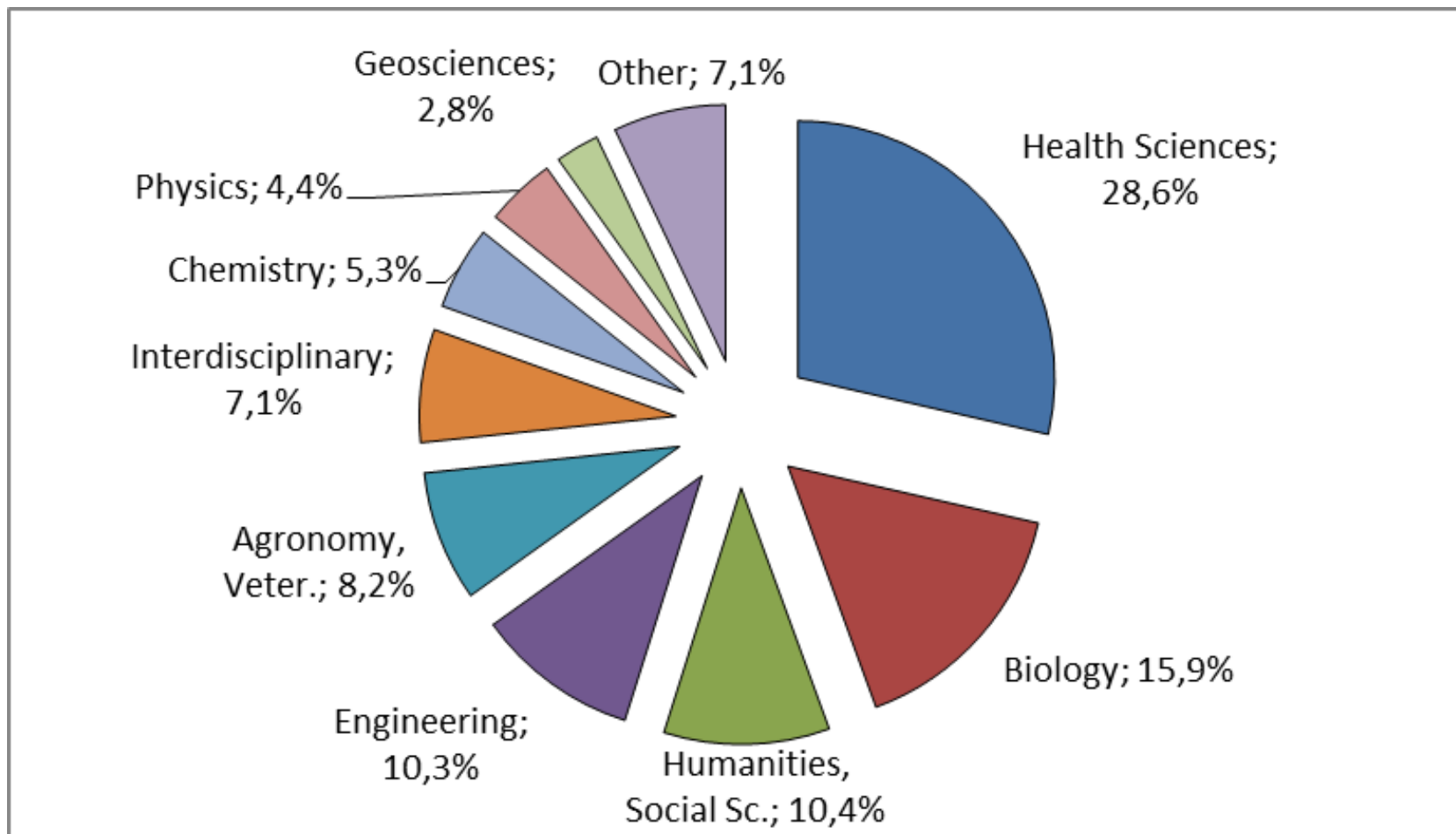
- Mission: support research in the State of São Paulo in all fields
  - Started in 1962
- Funded by the State of São Paulo with 1% of all State revenues
- All proposals are peer reviewed (10,000 applicants / 26,000 proposals in 2014)
  - Average time for decision: 65 days in 2014

# *FAPESP – The São Paulo Research Foundation*

- Annual budget: : \$PPP 510M in 2014
  - **Fellowships** (2,800 SI, 2,500 MSc, 4,000 DrSc, 2,000 Post-docs, 800 other)
  - **Academic R&D** (RIDC, Thematic, Young Investigators, Regular)
  - **University-Industry Joint R&D**: Microsoft, Agilent, Braskem, Oxiteno, SABESP, VALE, Natura, Petrobrás, Embraer, Padtec, Biolab, Cristalia, Whirlpool, Boeing , GSK, BP, BG, PSA (Peugeot-Citröen), ...
  - **Small bussiness R&D**: 1,200 SBE's (three PIPE+PAPPE awards per week in 2014)

# ***FAPESP expenditures, 2014***

## ***Total: R\$ 1.153 billion***



# *Research for Technological Innovation*

- PITE – The Program for Partnership on Research for Technological Innovation
  - Research projects developed in partnership with R&D institutions in the State of São Paulo and businesses located in Brazil and abroad
- SPARCC – São Paulo Applied Research Collaborative Center
  - Research program addressing medium and long term challenges of high scientific and technological impacts
- PIPE – The Program for Research for Technological Innovation in Small Businesses
  - Research projects developed by researchers in small companies

# *Research for Technological Innovation in SBs (PIPE)*

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- Initiated in 1997
- Two phases (similar to SBIR)
- Up to R\$ 1,200,000 per project, non refundable funding
- FAPESP can review the proposal of a company to be created
- More than 140 projects approved yearly in recent years



# Unicamp: 358 start-ups, >19.000 jobs, annual revenues R\$ 3 billions

