Universidade de São Paulo – USP
## Science in Brazil and in S. Paulo

<table>
<thead>
<tr>
<th></th>
<th>Brazil</th>
<th>S. Paulo</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area</strong></td>
<td>8.5 million km²</td>
<td>248 thousand km² (&lt; 4%)</td>
</tr>
<tr>
<td><strong>Population</strong></td>
<td>201.3 million</td>
<td>43.6 million (21%)</td>
</tr>
<tr>
<td><strong>GDP</strong></td>
<td>4.8 trillion</td>
<td>1.51 trillion (31%)</td>
</tr>
<tr>
<td><strong>Investment in S&amp;T</strong></td>
<td>1.2% GDP</td>
<td>1.6% GDP</td>
</tr>
<tr>
<td><strong>Researchers</strong></td>
<td>205,445</td>
<td>45,486 (22%)</td>
</tr>
<tr>
<td><strong>Scientific papers</strong></td>
<td>49,664</td>
<td>50% Brazil</td>
</tr>
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</table>
Universidade de São Paulo – USP

Established in 1934 featuring schools founded since 1827
Largest public university in Brazil

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Undergraduate students</td>
<td>58,303</td>
</tr>
<tr>
<td>Postgraduate students</td>
<td>28,498</td>
</tr>
<tr>
<td><strong>Total students</strong></td>
<td><strong>86,801</strong></td>
</tr>
<tr>
<td>Academic staff members/Faculty</td>
<td>5,860</td>
</tr>
<tr>
<td>Technical/administrative staff</td>
<td>16,837</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>109,498</strong></td>
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</table>

**8 campi:** Main campus in São Paulo City
7 in other cities of São Paulo State
Faculties and Research Institutes - 42

• School of Arts, Sciences and Humanities ~São Paulo
• School of Communications and Arts – São Paulo
• School of Physical Education and Sports – São Paulo
• School of Physical Education and Sports -Ribeirão Preto
• School of Nursing – São Paulo
• Ribeirão Preto College of Nursing
• Polytechnic School of Engineering – São Paulo
• São Carlos School of Engineering
• Engineering School - Lorena
• “Luiz de Queiroz” College of Agriculture – Piracicaba
• Faculty of Architecture and Urbanism – São Paulo
• Faculty of Pharmaceutical Sciences – São Paulo
• Faculty of Pharmaceutical Sciences - Ribeirão Preto
• Law School – São Paulo
• Law School – Ribeirão Preto
• School of Economics, Administration and Accountancy – São Paulo
• School of Economics, Business Adm. and Accounting – Ribeirão Preto
• Faculty of Education – São Paulo
• Faculty of Humanities, Letters and Human Sciences – São Paulo
• Faculty of Philosophy, Letters and Sciences – Ribeirão Preto
• Faculty of Medicine – São Paulo
• Faculty of Medicine at Ribeirão Preto
• Faculty of Veterinary Medicine – São Paulo
• Dentistry School – São Paulo
• Bauru School of Dentistry
• Faculty of Dentistry of Ribeirão Preto
• Faculty of Public Health – São Paulo
• Faculty of Animal Science and Food Engineering – Pirassununga
• Institute of Astronomy, Geophysics and Atmospheric Sciences – São Paulo
• Institute of Biosciences – São Paulo
• Institute of Biomedical Sciences – São Paulo
• Institute of Mathematics and Computer Sciences – São Carlos
• Institute of Architecture and Urbanism – São Carlos
• Institute of Physics – São Paulo
• Institute of Physics - São Carlos
• Institute of Geosciences – São Paulo
• Institute of International Relations – São Paulo
• Institute of Mathematics and Statistics – São Paulo
• Institute of Psychology – São Paulo
• Institute of Chemistry – São Paulo
• Institute of Chemistry – São Carlos
• Institute of Oceanography – São Paulo
USP in the University rankings 2013/2014

1st in Iberoamerica – SCIImago Ranking
58th – PRSPWU - Taiwan
147th – Shanghai JiaoTong ARWU
158th – Times Higher Education Supplement
81-90th – THE World Reputation Ranking
127th – Q&S World University Rankings
29th – Webometrics
Faculty of Medicine São Paulo

Founding School

1912
Sistema FMUSP – HC
Research laboratories

62 Labs
200 research groups
SISTEMA FMUSP – HC: ACADEMIC HEALTH CENTER

Support Foundations

Tropical Medicine Institute
School of Nursing
School of Public Health

Integration

Agreements

Partnerships

USP units
ICH
ICR
INCOR
IPQ
INRAD
LIM
IOT
primary and secondary care

Support Foundation
Support Foundation

Units / Institutes
## Post-Graduate Studies FMUSP

### Programmes

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<th>Allergy and Immunopathology</th>
<th>Nephrology</th>
<th>Pediatrics</th>
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MSc and PhD programmes, Post-doc positions
Postgraduate Programme in Infectious Diseases

Research themes:

• Evaluation of the transmission dynamics of infectious agents
  ➢ spatial analysis
  • vivax and falciparum malaria - settlements in Acre State, Amazon region
  • hospital admissions due to pneumoccocal disease – nation- and state wide
  • multiresistant nosocomial bloodstream infections

➢ MDR resistant tuberculosis
➢ dengue fever
➢ HIV infection in areas with particular epidemiological interest – Amazon region, Santarém, Pará
Postgraduate Programme in Infectious Diseases

Research themes:

• Development, standardisation and evaluation of diagnostic/prognostic assessment tools for infectious diseases
  
  ➢ neglected tropical diseases

  • Chagas’ disease – blood bank screening, natural history and disease development

  • Leishmaniasis – molecular biology diagnostic approaches – species-specific tools

  • Malaria – blood bank screening

  • Tuberculosis – meningitis

  ➢ nosocomial bacterial infections – MRSA

  ➢ helminthic diseases - *Strongyloides*
Postgraduate Programme in Infectious Diseases

Research themes:

• Intervention strategies - management, control and prevention of infectious diseases
  - nosocomial bacterial infection – MRSA, Gram negative agents – *Acinetobacter sp.*, *Pseudomonas sp.*
  - immunogenicity and safety of vaccines in special populations – yellow fever, antipneumoccocal vaccines
  - nanotechnology approaches to drug delivery
  - current challenges in HIV care
  - investigating response to novel therapeutic agents in infectious diseases – HCV treatment with direct acting antiviral drugs
Postgraduate Programme in Infectious Diseases

Research themes:

• Pathogenetic mechanisms of infectious and parasitic diseases
  ➢ development of resistance to carbapenem drugs
  ➢ host immunity in HTLV infections and disease development
  ➢ Paracoccidioidomycosis - host-parasite interaction in the skin
  ➢ genetic polymorphisms and susceptibility to disease development – endemic fungal infections and Chagas’ disease
Universidade de São Paulo
Thank you for your attention !!!

segurado@usp.br