Translational Cancer Research at Universidade de São Paulo
Center for Translational Research in Oncology
Cancer Research in Brazil: 30 years of evolution

*ISI Thomson Reuters*

Peer-reviewed papers in the areas of Oncology/Cancer Research

<table>
<thead>
<tr>
<th>Year</th>
<th>Absolute number of Brazilian papers</th>
<th>Relative number of Brazilian papers(%)</th>
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</thead>
<tbody>
<tr>
<td>1981</td>
<td>5</td>
<td>0.07</td>
</tr>
<tr>
<td>2009</td>
<td>289</td>
<td>1.04</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
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<tr>
<td>May, 2008</td>
<td>Assistencial activities start (Secretary of Health)</td>
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<tr>
<td>December, 2008</td>
<td>Faculdade de Medicina da Universidade de São Paulo, through Fundação Faculdade de Medicina, assumes the project, including both teaching and research in the institutional mission of ICESP</td>
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<tr>
<td>December, 2010</td>
<td>60% of ICESP’s full capacity</td>
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<tr>
<td>June, 2011</td>
<td>First groups installed at the Center for Translational Research in Oncology (CenTRO)</td>
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<td>June, 2012</td>
<td>All resident research groups installed at CenTRO</td>
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<tr>
<td>December, 2012</td>
<td>End of ICESP’s Installation Phase</td>
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Cancer Research at Universidade de São Paulo (early 2011)

**Grupos-CNPq** 76 research groups in the area of Oncology/Cancer Research at Universidade de São Paulo (all campi). Areas of interest: from basic aspects to clinical research, some emphasis on Public Health and Prevention.

**Grupos-LIM** 32 additional groups in the area of Oncology at Sistema FMUSP-HC.

**Opportunity**
The organization of the research activities involving ICESP could serve to boost and help reformatting Cancer Research Activities at Universidade de São Paulo; Organization of the USP- Academic Network for Cancer Research
Instituto do Câncer do Estado de São Paulo

Research Programs

**Clinical Research**
- Drug targeted therapies
- Pharmacoeconomics*
- Incorporation of New Technologies at SUS

**Molecular Oncology**
- Molecular Epidemiology
- Biomarkers and their clinical application
- Molecular Imaging
- Pharmacogenomics
- Bioinformatics* (ANCR)

**Innovative Therapeutics**
- Preclinical studies
- Rational drug design* (ANCR)

**Regenerative Medicina** (ANCR)
ICESP, under construction

Biobank
Recombinant DNA and expression vector construction
Sequencing and transcriptome profiling
Cytometry and expansion of human cancer cells
Bioinformatics
Epidemiology

Sistema FMUSP-HC

Unit for Immunology (InCOR/FMUSP)
Unit for Antibody Production
Center for Small Animal Molecular Imaging
Center for Transgenic Animals

In other campi, e.g.

NUCEL- Núcleo de Terapias Celulares
INCTC- FMRP
Vision  ICESP will interface the Secretary of Health and the Academic Network for Cancer Research, allowing for the completion of translational projects of interest to Public Health in the area of Oncology.
Institutional Organization of Cancer Research

From the Ivory Tower to the Translational Tower at Universidade de São Paulo