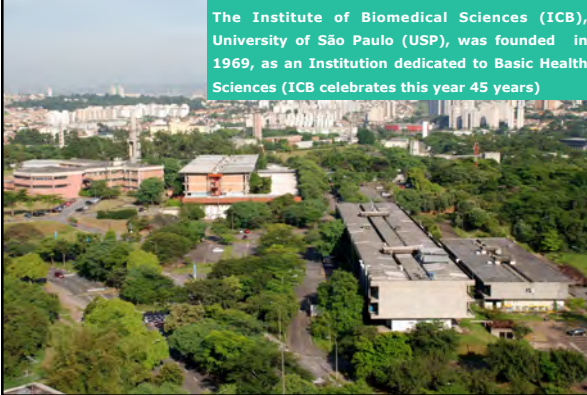


### Institute of Biomedical Sciences





The Institute of Biomedical Sciences (ICB), University of São Paulo (USP), was founded in 1969, as an Institution dedicated to Basic Health Sciences (ICB celebrates this year 45 years)

### Institute of Biomedical Sciences Education

#### Undergraduation

ICB is based on 7 departments of basic sciences:

- Anatomy
- Cellular Biology and Development
- Pharmacology
- Physiology and Biophysics
- Imunology
- Microbiology
- Parasitology


### Institute of Biomedical Sciences Education

#### Undergraduation


ICB teaches basic sciences to 14 Schools of USP and 21 professional degrees.

and also directly responsible for two Bachelor degrees:

- Fundamental Health Sciences
- Biomedical Sciences.



	Students	Classes
TOTAL / Year	4,667	104



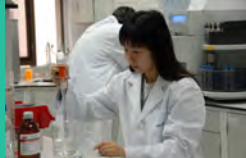
### Institute of Biomedical Sciences Education

#### Graduate


ICB has awarded more than 3,500 Master and Doctor (PhD) degrees in:

- > Morphofunctional Sciences
- > Cell and Tissue Biology
- > Pharmacology
- > Human Physiology
- > Immunology
- > Microbiology
- > Host-Pathogen Interactions
- > Biotechnology (Inter-unit post-graduate program)
- > Bioinformatics (Inter-unit post-graduate program)

In 2013, 125 Master's and 110 Ph.D. theses were completed





ICB Graduate students are recipients of scholarships from the following Brazilian agencies: FAPESP, CAPES and CNPq



### Institute of Biomedical Sciences Research

ICB has a staff of 154 lecturers and 357 administrative and laboratory technicians, in association with 155 post-doctoral fellows and around 100 undergraduate (Scientific Initiation)







### Institute of Biomedical Sciences Research

Financial Funding by the:

- São Paulo State Research Funding Agency (FAPESP)
- Federal Agencies such as CNPq, CAPES and FINEP, Ministries of Health, Science, Technology and Innovation
- International agencies - COFECUB, OAS, PAHO, WHO, NIAID, Bill and Melinda Gates Foundation, Guggenheim Foundation.
- Partnerships with private and public sectors have also been established.




ICB receives over US\$ 20 million per year for research




### Institute of Biomedical Sciences Infrastructure in Research

ICB infrastructure is compatible with the world's best Universities, with last generation laboratories, including Biosafety Laboratory Maximum rating NB-3 (Biosafety Level 3)



ICB established a Central Facility well equipped for the use of modern techniques such as

- high-resolution mass spectrometry
- gene sequencing
- image analysis
- flow cytometers





### Institute of Biomedical Sciences


The Museum of Human Anatomy displays about 1,800 human anatomical pieces, collection of skulls of 500 pieces, and a library with about 2,000 books.

Library hosts a collection of 93,600 items and multimedia material

Animal Facility for breeding and maintaining animals used in research and teaching. (produces 18,000 animals / year)

ICB has inbred mice facilities with International recognition.





### Institute of Biomedical Sciences ICB in the community

ICB carries out health care activities and health education programs along several communities in Sao Paulo State and in the Amazon region .

Montenegro (RO) and Acrelândia (AC)

In the last five years, 7,500 medical visits, 6,000 tests for diagnosis of malaria, 2,500 parasitological stool examinations, 2,500 doses of hemoglobin and 600 complete blood analysis were performed.





### Institute of Biomedical Sciences Academic cooperation agreements


- ✦ Universidad de La Frontera - Chile
- ✦ University of Paris - France
- ✦ Università Degli Studi di Roma "Tor Vergata" - Italy
- ✦ **University of Michigan Medical School - USA**
- ✦ Medical University of Vienna - Austria
- ✦ Universidad Nacional de Córdoba - Argentina
- ✦ Hannover Medical School - Germany
- ✦ Instituto Gulbenkian de Ciência - Portugal
- ✦ Universidad de Tolima - Colombia
- ✦ Universidad de Narino - Colombia
- ✦ National Institute of Allergy and Infectious Diseases - USA
- ✦ Wayne State University - USA
- ✦ Curtin University of Technology, Australia
- ✦ University of Washington - USA
- ✦ Marine Biological Laboratory - USA



### Institute of Biomedical Sciences Academic cooperation agreements



Universidade de São Paulo  
Instituto de Ciências Biomédicas



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#### MEMORANDUM OF UNDERSTANDING

MEMORANDUM OF UNDERSTANDING FOR ACADEMIC COOPERATION AND EXCHANGE OF TEACHING STAFF AND RESEARCHERS BETWEEN THE INSTITUTO DE CIÊNCIAS BIOMÉDICAS (BRAZIL), AND THE BOARD OF REGENTS OF THE UNIVERSITY OF MICHIGAN ON BEHALF OF ITS MEDICAL SCHOOL, UNITED STATES OF THE AMERICA, WHICH AIMS AT PROMOTING SCIENTIFIC COOPERATION BETWEEN THE PARTIES.

*[Signature]*  
 Director of Institute of Biomedical Sciences

*[Signature]*  
 Board of Regents of the University of Michigan

### Opportunities in the Research Labs

**A sabbatical year in Gary Hammer's Laboratory**

Period: August 2008 - July 2009

Financial Support from Capes (Coordination of Improvement of Higher Education Personnel) and from Hammer's Lab

Main field: Study of adrenocortical tumors



## Opportunities in the Research Labs

Volume 24 Number 11 November 2013

Contents and Aims available at [Siffraxio.com/Contents](http://Siffraxio.com/Contents)

**Molecular and Cellular Endocrinology**

Journal homepage at [www.elsevier.com/locate/mce](http://www.elsevier.com/locate/mce)

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**Review**

**POD-1 binding to the E-box sequence inhibits SF-1 and STAR expression in human adrenocortical tumor cells**

Monica Malheiros França<sup>a</sup>, Bruno Ferraz-de-Souza<sup>b</sup>, Mariana Ceredato Santos<sup>c</sup>, Antonio Marcendes Leitão<sup>d</sup>, Maria Candida Barroso Villares Rogoso<sup>e</sup>, Ana Claudia Latronico<sup>f</sup>, Róki D. Kusick<sup>g</sup>, Gary D. Hammer<sup>h</sup>, C. Lucimara R.P. Leão<sup>i</sup>

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Monica Malheiros França – Ph.D student  
 Period: September to November - 2013





## Institute of Biomedical Sciences

All of you are  
welcome to  
ICB!

