

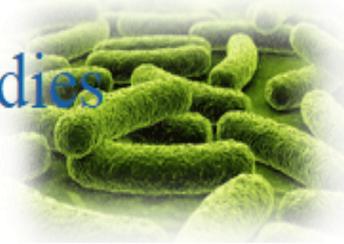


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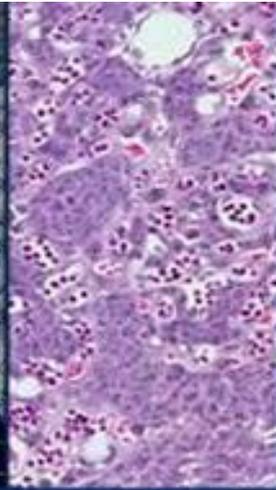
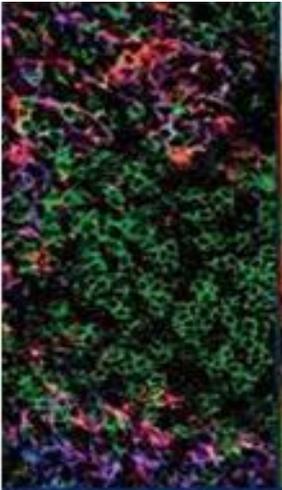
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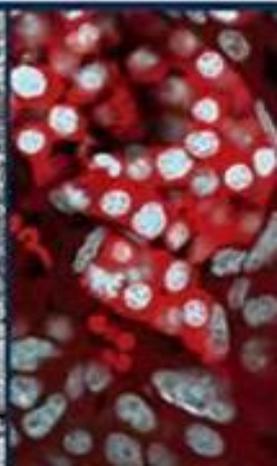
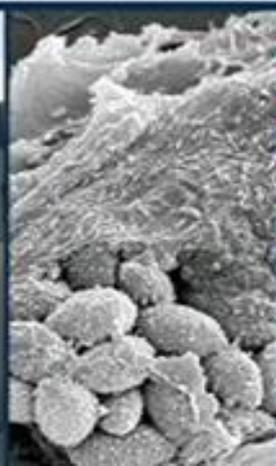
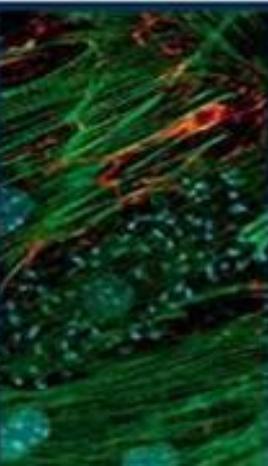
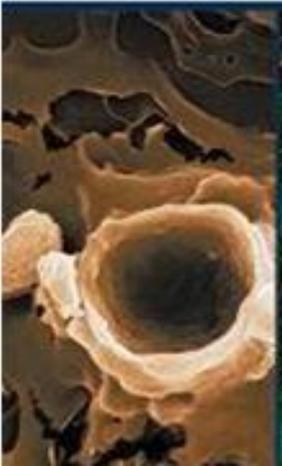


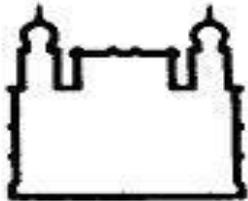
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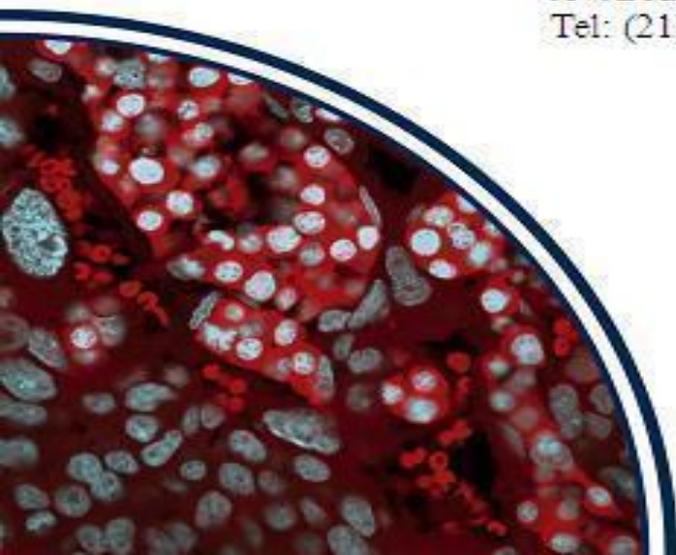
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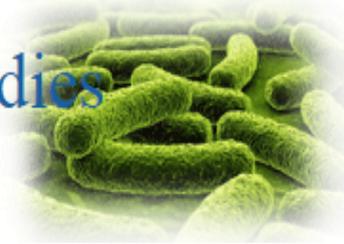


**Fundação Oswaldo Cruz
Instituto Oswaldo Cruz**

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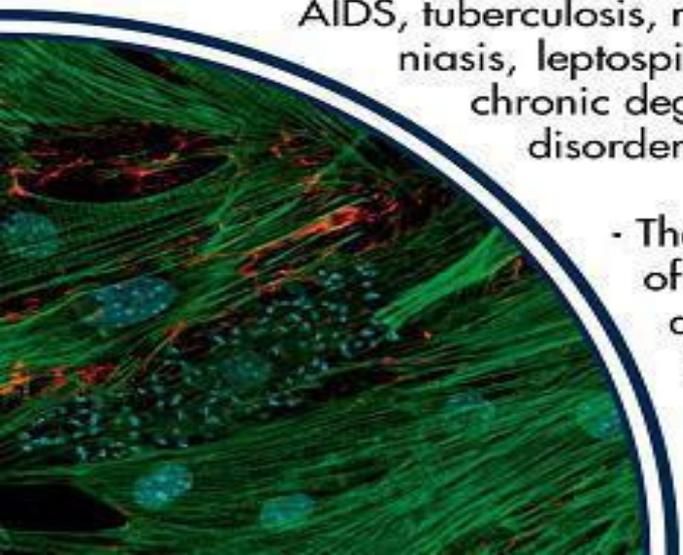


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Laboratories for Research, Development and Innovation

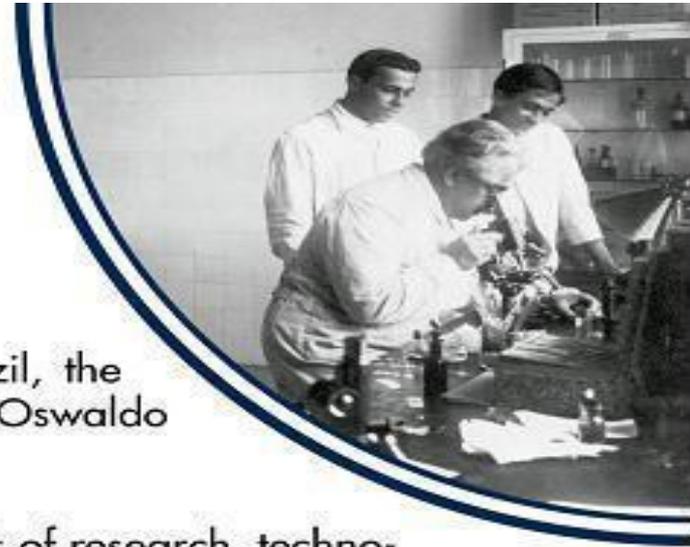
- The basis of activities at the Institute are linked to its Research Laboratories which generate knowledge on several aspects in a wide range of diseases, including AIDS, tuberculosis, malaria, yellow fever, dengue fever, Chagas disease, leishmaniasis, leptospirosis, hepatitis, leprosy, meningitis among others as well as chronic degenerative diseases such as muscular dystrophy and behavior disorders.
- The Institute also takes part in environmental studies, prospecting of drugs and development of new vaccines, diagnostic methods and therapeutic strategies, always aiming to respond to the challenges of public health issues in Brazil.

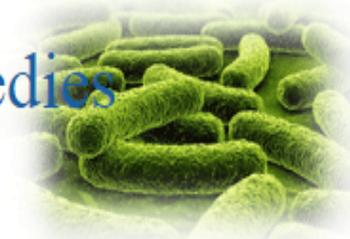




The Institute

- One of the main centers of biomedical research in Brazil, the Oswaldo Cruz Institute (IOC) is the historic birthplace of the Oswaldo Cruz Foundation itself (Fiocruz).
- Created in 1900, the Institute conducts activities in the fields of research, technological development and innovation, providing reference services in infectious and genetic diseases and in vector control.
- We are also proud to have good reputation in the field of human resources, due to the excellent intramural courses we have conducted so far.

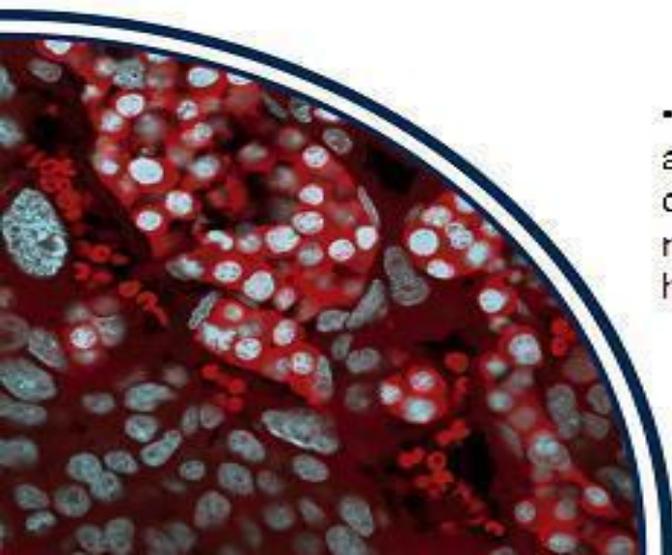




Contributions to Science and Health

• Due to its plural action, covering various areas of Health Sciences, IOC established itself as an institution of scientific leadership, contributing to Fiocruz strategic role.

• At FIOCRUZ, we proved exceptionally skilled at the handling and utilization of human specimens and have developed considerable expertise in performing important laboratory manipulations related to research in innate human immune responses.



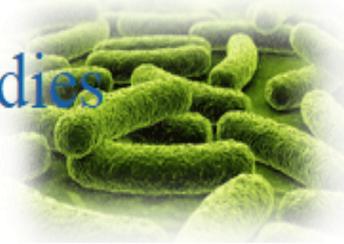


Health



- The BCG vaccine has been employed for some 70 years in Brazil and lessons from its use should be taken in account for the development or improvement of new TB vaccines.

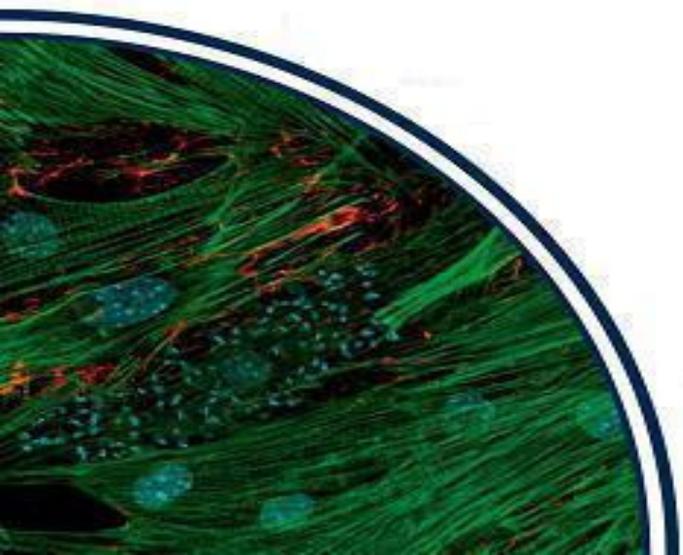




- The collaborations with other departments at FIOCRUZ are regarding the study of the immune response to BCG Moreau vaccine and recombinant proteins in search of a new vaccine against tuberculosis.



Research





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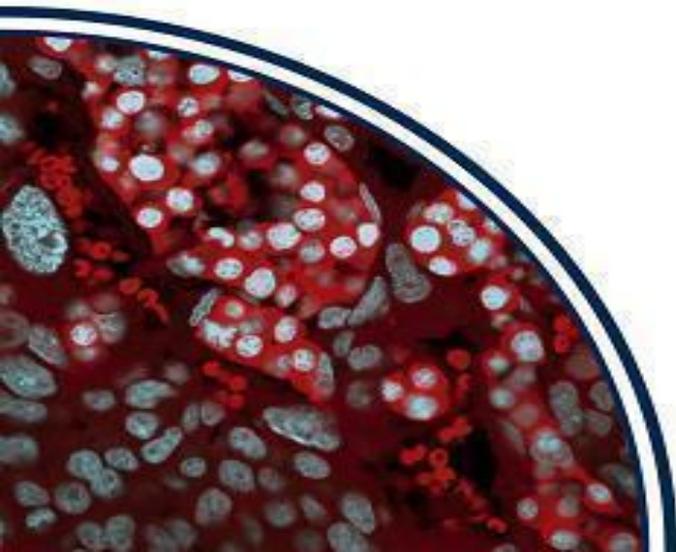
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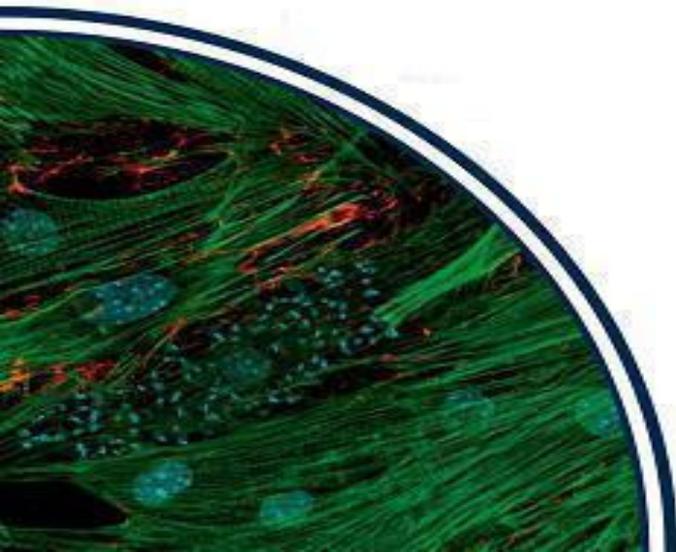
- My group has developed research on the immune response of human infections and vaccinations, especially in the case of mucosal immunology.



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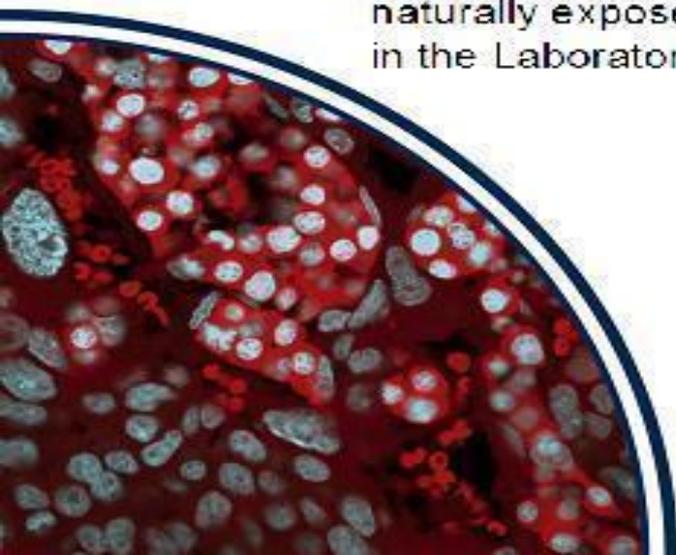
- My current laboratory and position at FIOCRUZ have been contributing extensively to the fight against tuberculosis in Brazil.





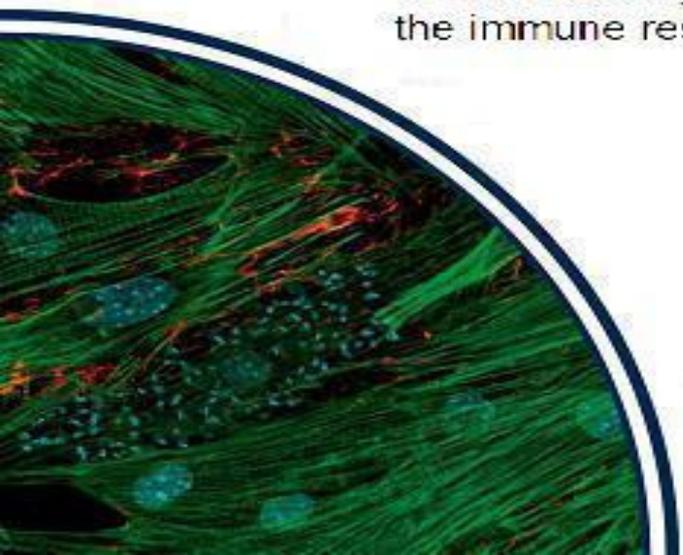
Science

- I have been working on immune response against tuberculosis (vaccine field) in individuals naturally exposed to *Mycobacterium tuberculosis* in the Laboratory of Clinical Immunology (FIOCRUZ) since 1998.





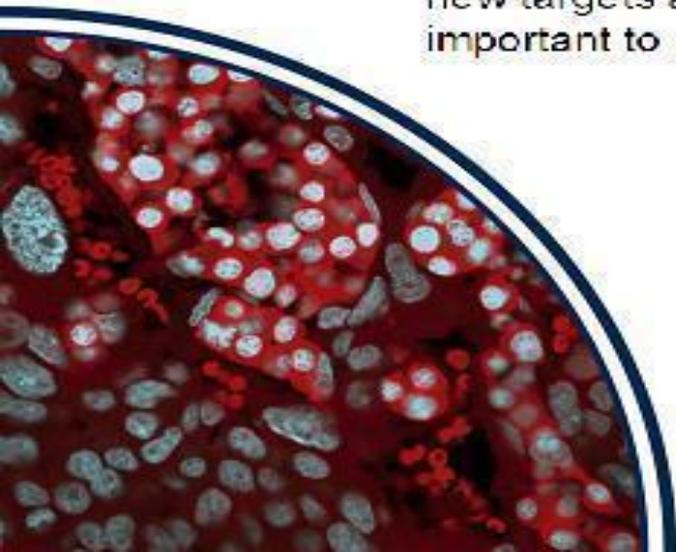
- Most of my scientific carrier has been dedicated to study several aspects of the immune response in Leprosy and Tuberculosis, such as the involvement of inflammatory cytokines, and the T cells on the immune response to mycobacterium.





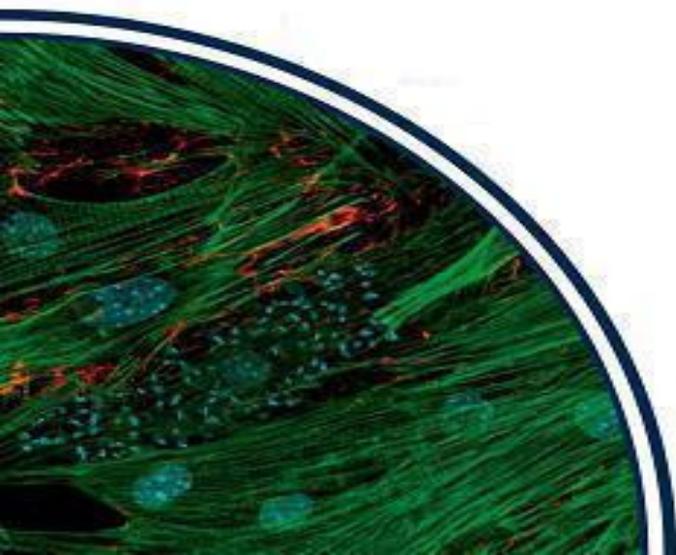
Innovation

- The vaccine development field enlacing new targets and adjuvants are extremely important to my group for the actual experiments in course.





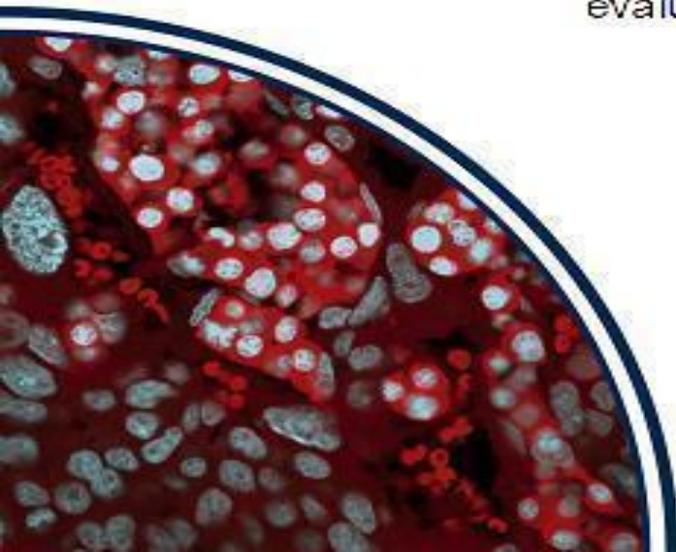
• My work has also focused on identifying an immunologic predisposition to extrapulmonary tuberculosis, and I spent most of the last few years working in a project on cytokine detection in patients with cured tuberculosis, studying cytokine responses among persons with prior extrapulmonary tuberculosis, and compared them to responses among persons with either pulmonary or latent infection.



Development

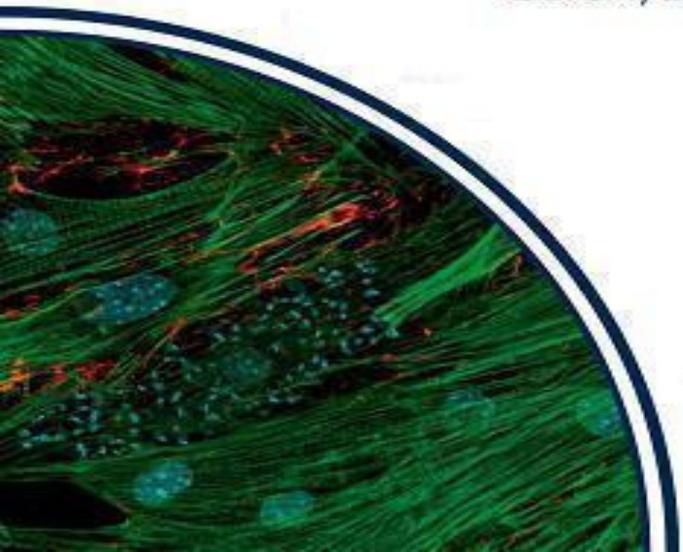


- It will be extremely useful to increase the knowledge in tuberculosis research especially about new methodologies in evaluation of cellular immune responses.





- In my Institution, I also master techniques of cell culture, flow cytometry, Western-blotting, ELISA, ELISPOT and Luminex.



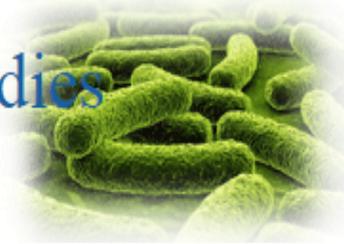


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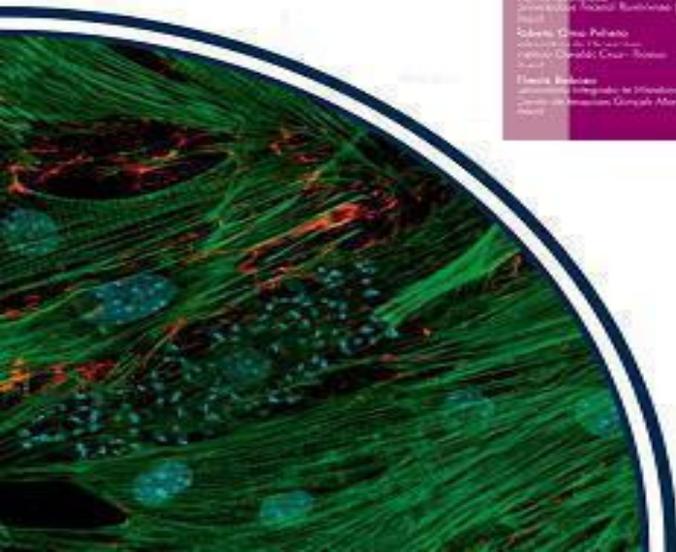


Innovation

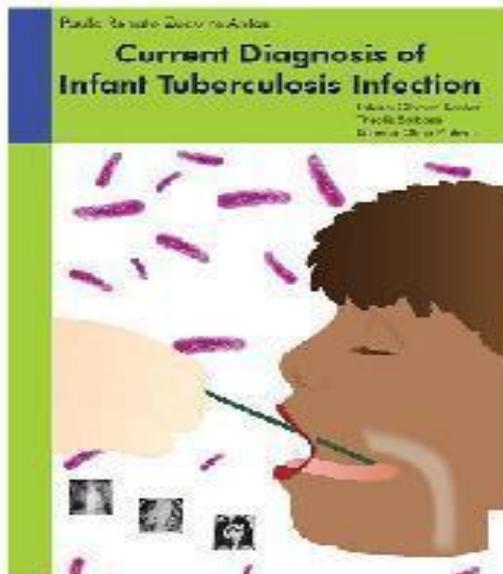
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Development

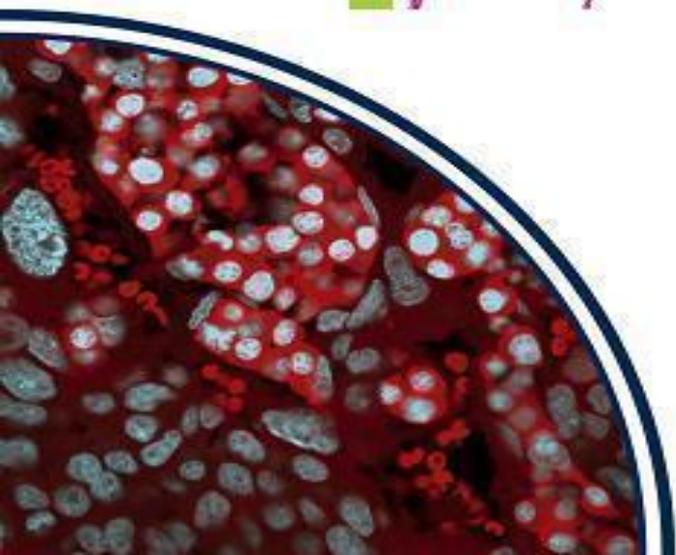


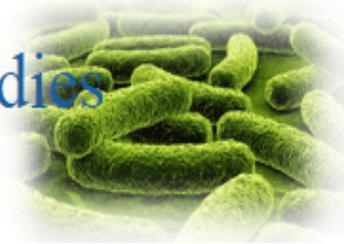


- I am also proud to release an e-book with additional information related to my research interest.

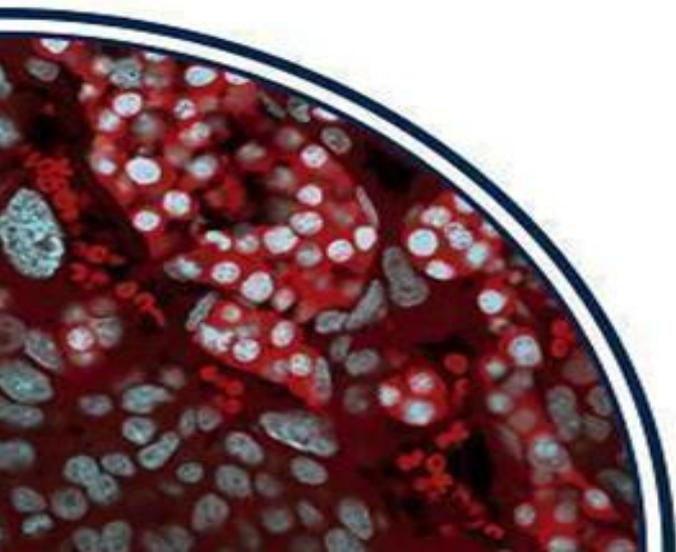


- The goal of this e-Book is to provide a comprehensive overview and update for the pediatricians. The text is of use to universities and research centers, as well as all interested hospital personnel. Providing understandable and practice-oriented information on this subject will help clinicians to improve their diagnostic skills regarding tuberculosis infection in child. Brazil is one of the 22 countries listed with the highest burden of tuberculosis worldwide, which emphasizes a knowledge-based product of the highest quality for the academic, professional, and student communities worldwide.





- In sum, FIOCRUZ has the tradition related to basic research in tropical diseases, and my group in particular in understanding the *in vitro* human immune response during the BCG vaccine-host cell interaction.



Ancient Diseases & Preventive Remedies Related Journals

- Journal of Infectious Diseases and Therapy
- Mycobacterial Diseases
- Air & Water Borne Diseases



Ancient Diseases & Preventive Remedies Related Conferences

- [3rd International Conference on Predictive, Preventive, Personalized Medicine & Molecular Diagnostics](#)
- [3rd International Congress on Bacteriology & Infectious diseases](#)



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