



Curriculum Vitae – Prof. Antonio Adilton Oliveira Carneiro

Full Professor & Head of Department of Physics

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1. Current Positions

- Head of the Department of Physics – USP (current)
- Full Professor – Medical Physics & Biomedical Instrumentation, USP
- Vice-President of Brazilian Society of Biomedical Engineering – SBEB
- Coordinator – GIIMUS (Innovation Group in Medical Instrumentation and Ultrasound)

Member of Committee of Innovation and Industry of IFMBE

2. Leadership in Innovation & Ecosystem Development

- President of Brazilian Society of Biomedical Engineering - SBEB (2023–2024)
- President and co-founder of SUPERA Innovation & Technology Park (2012–2020)
- Director and co-founder of the SUPERA Technology Center
- Founder of the group of Innovation in Medical Instrumentation and Ultrasound (GIIMUS) of University of São Paulo

3. Academic Background

- PhD in Physics Applied to Medicine and Biology – USP (2001)

- MSc in Physics Applied to Medicine and Biology – USP (1997)
- BSc in Physics – UFBA (1995)
- Postdoctoral fellowships at USP, University of Wisconsin, and Mayo Clinic

4. Research Leadership & Funding

- PI in FAPESP JP2 (2022–2027)
- PI in FAPESP Thematic Project (2018–2024)
- CNPq Productivity Fellowship (1C)
- PPSUS Health Innovation Program

5. International Collaboration

- Partnerships with Lund University, University of Wisconsin–Madison, Mayo Clinic, Columbia University, University of Washington, PTB Berlin, and UT Austin.

6. Publications & Metrics

- 100+ peer-reviewed papers
- 10 patents
- 3 books/chapters
- Google Scholar: 2734 citations, h-index 27
- Scopus: h-index 20

7. Selected Awards

- Santander X Awards – University (2025)
- USP Innovation Trajectory Award (2021)
- UBI Global Top 20 Technology Parks Award (2019)
- Honorable Mention – Conjoined Twins Surgery Support (2019)

- ANPROTEC National Innovation Award (2016)

8. Areas of Expertise

Biomedical Instrumentation; Ultrasound Imaging & Robotics; Medical Physics; Photoacoustics; Magnetomotive Ultrasound; Innovation Ecosystems; Technology Transfer; Entrepreneurship; AI in Diagnostics.