Postdoctoral Fellowship in Artificial Intelligence and Healthcare
University de São Paulo

Job Title	Postdoctoral Fellowship in Artificial Intelligence and Healthcare
Department	Computer Science
	http://www.icmc.usp.br
Institution	University de São Paulo
	Sao Carlos, Sao Paulo, Brazil
Date Posted	Dec. 5, 2024
Application Deadline	Jan. 10, 2025
Position Start Date	Feb. 1, 2025
Job Categories	Post-Doc
Academic Field(s)	Computer/Information Sciences
Apply By Email	junio@icmc.usp.br

Job Description

We are offering a postdoctoral fellowship opportunity in the FAPESP project AIIDKIT (Artificial Intelligence for Improved Infectious Diseases Outcomes in Kidney Transplant Recipients), which aims to develop Artificial Intelligence systems to predict infection risks in kidney transplant patients. The research will be conducted at the Institute of Mathematics and Computer Science (ICMC-USP) in São Carlos, with international collaboration and the possibility of an exchange period in Switzerland.

Location and Benefits
- Location: ICMC-USP, São Carlos, SP, Brazil.
- Fellowship Amount: R$ 12,000.00/month.
- Additional Benefits: Research contingency funds, installation support, maternity/paternity leave, and reimbursement for social security contributions.
- Duration: Up to 48 months.

Responsibilities

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- Develop and evaluate AI models for predicting infection risks.
- Integrate models into a clinical decision-support tool.
- Work with advanced techniques such as GNNs and LoRA.
- Prepare and harmonize clinical datasets.
- Collaborate/Manage interdisciplinary teams.
- Disseminate results through scientific publications.

Requirements
- Ph.D. in Computer Science/Engineering/Bioinformatics or a related field, completed after 2017.
- Experience in deep learning and data science.
- Proficiency in English (written and spoken).
- Strong programming skills and collaborative work experience.

Application Process
- Deadline: January 10, 2025.
- Send an email to junio (at) icmc.usp.br with the subject: "Seleção-POSDOC".
- Required documents: ResearcherID number

After pre-selection:
- Interview

Upon acceptance (starting February 1, 2025):
- résumé;
- Two recommendation letters;
- Brief statement of interest in the project area.

EEO/AA Policy

The University of São Paulo (USP) implements affirmative action policies to promote equal opportunities and diversity within its academic environment. These initiatives aim to address historical inequalities and ensure more equitable access to higher education.

For example, the Graduate Program in Humanities, Rights, and Other Legitimacies (PPGHDL) at USP adopts affirmative action policies for candidates who self-identify as Black, Indigenous, quilombola (residents of Afro-Brazilian communities), individuals with disabilities, transgender individuals,

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refugees, stateless persons, and those holding humanitarian visas. Reserved slots for these groups range from 50% to 80%, alternating annually. (ppghdl.fflch.usp.br)

Additionally, USP organizes debates and events to discuss the challenges of affirmative actions as a means to promote equality and diversity in the academic environment, involving Brazilian and international researchers. (iea.usp.br)

These initiatives reflect USP's commitment to fostering an inclusive and diverse environment, aligned with the principles of equal opportunities and affirmative actions.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact	Jose F Rodrigues-Jr
	Computer Science
	University De São Paulo
	Sao Carlos, Sao Paulo 13566590
	Brazil
Phone Number	+551633736625
Contact E-mail	junio@icmc.usp.br