

Lead institution: University of São Paulo	
Supervisor name: Profs. Thiago Lopes and Nigel Brandon and Julio Meneghini	Department: PNV, PME and Imperial College London
Recipient: https://sites.usp.br/rcgi/opportunities/ Ref: 25PDR321 – Postdoctoral Fellowship Deadline for submission: July 31th, 2025	Type: Postdoctoral Period: 40 hours/week Number of months: 12 to 24 Intended beginning date: August, 2025
Project title: (Portuguese and English) Sistemas de Células a Combustível a Etanol Direct Ethanol Fuel Cell Systems	
Research theme area: (Portuguese and English) Sustentabilidade e Transição Energética, Tecnologias de Baixo Carbono, Etanol para Eletricidade, Bioenergia. Sustainability and Energy Transition, Low Carbon Technologies, Ethanol to Electricity, Bioenergy.	
Abstract (Portuguese and English) O candidato irá trabalhar com professores da USP e do Imperial College no projeto SPEC-FAPESP sob título <i>"Da ciência fundamental a aplicada: novas fronteiras em tecnologias de células a combustível"</i> do FAPESP-Shell Centro de Pesquisa para a Inovação de Gases de Efeito Estufa da Universidade de São Paulo (https://sites.usp.br/rcgi/), com foco no desenvolvimento de stacks de células a combustível do tipo SOFC a etanol direto. The candidate will work with professors from USP and Imperial College on the SPEC-FAPESP project under the title <i>"From fundamental to applied science: new frontiers in fuel cell technologies"</i> of the RIDC-FAPESP – Shell Research Centre for Greenhouse Gas Innovation at the University of São Paulo https://sites.usp.br/fapesp/2 , with a focus on the development of SOFC fuel cell stacks and direct ethanol.	
Description (Portuguese and English) Oportunidade de bolsa de pós-doutorado para pesquisa no projeto SPEC-FAPESP, em colaboração entre a USP e o Imperial College. O foco será no desenvolvimento de stacks de célula a combustível do tipo SOFC e etanol direto, dentro da linha de pesquisa "Da ciência fundamental a aplicada: novas fronteiras em tecnologias de células a combustível" do RIDC-FAPESP – Shell Centro de Pesquisa para a Inovação de Gás de Efeito Estufa. Procuramos pesquisador(a) para atuar no avanço de tecnologias de energia limpa.	

A postdoctoral fellowship is available for research on the SPEC-FAPESP project, a collaboration between USP and Imperial College. The research will focus on the development of SOFC fuel cell stacks and direct ethanol, under the research theme "From fundamental to applied science: new frontiers in fuel cell technologies " of the RIDC-FAPESP – Shell Research Centre for Greenhouse Gas Innovation. We are seeking a researcher to contribute to the advancement of clean energy technologies.

Requirements to fill the position. (Ex: specific experience, minimum or maximum years after concluding the course) (Portuguese and English)

Doutorado em Engenharia. Capacidade de trabalhar de forma independente e colaborativa em equipe multidisciplinar e internacional, e excelente comunicação oral e escrita em inglês

PhD in Engineering. Ability to work independently and collaboratively within a multidisciplinary and international team, and excellent oral and written communication skills in English.

Funding Notes: This Postdoc fellowship is funded by FAPESP. The fellowship will cover a standard maintenance stipend of R\$ 12,000.00 per month.

Work place: EP USP / Av. Prof. Luciano Gualberto, 380 - Butantã, São Paulo - SP, 05508-010

Documents/Information to be Sent:

Ref: 25PDR321

- 1) Access the link <https://sites.usp.br/rcgi/opportunities/>
- 2) Find the Position Ref: 25PDR321
- 3) Click on Application to apply

Deadline: July 31th, 2025

In case you have any question, please write to rcgi.opportunities@usp.br