

Lead institution: University of São Paulo (USP)-CEPEMA Work Address of the position: Rod Con Domenico Rangoni, km 270 - Cubatão - SP	
Supervisor name: Elen Aquino Perpetuo	Department: Chemical Engineering
Co-supervisor (if any): Bruno Karolski	Department: Chemical Engineering
APPLY AT: http://www.rcgi.poli.usp.br/opportunities or https://goo.gl/p4ifHx <u>Position 17SIR005</u>	Type: IC Period: start July, 2017 Number of months: 12 Application deadline: July 02
Project title: (Portuguese and English) Position 17SIR005 Isolamento de micro-organismos (algas e bactérias) tolerantes à altas concentrações de CO ₂ e CH ₄ Isolation of microorganisms (algae and bacteria) tolerant to high concentrations of CO ₂ and CH ₄	
Research theme area: (Portuguese and English) Processos biotecnológicos para conversão de CO ₂ e CH ₄ em bioprodutos Biotechnological processes for the conversion of CO ₂ and CH ₄ into bioproducts	
Abstract (Portuguese and English) Este projeto visa o estabelecimento de um consórcio microbiano envolvendo algas e bactérias capazes de metabolizar altas concentrações de CO ₂ e CH ₄ , e transformá-los em bioprodutos de interesse biotecnológico. This project aims to establish a microbial consortium involving algae and bacteria capable of metabolizing high concentrations of CO ₂ and CH ₄ , and transforming them into bioproducts of biotechnological interest.	
Requirements to fill the position. (Ex: specific experience, minimum or maximum years after concluding the course) We seek a candidate with laboratory experience in isolation, identification and cultivation of microorganisms. The candidate is expected to have experience in microbiology and chromatography. This project would be well-suited to a highly motivated individual, who are an undergraduate student in Environmental Engineering and required an overall grade above 7.0. The student should be enrolled in the 5th, 6th, 7th or 8th Semester of his/her course.	
<u>Information about the SCHOLARSHIP</u> The selected candidate will receive a FAPESP Scientific Initiation scholarship in the amount of R\$ 643,20 monthly payed in Reais for 12 hours/week activity. The scholarship will be held for 12 months.	
Fill in the electronic application form (position 17SIR005) and submit it before the deadline on July, 2, 2017.	