



The Food Research Center (FoRC) has opened a selection for a post-doctoral fellowship linked to a study aiming to evaluate the effects of d-limonene on metabolism. FoRC is a research center supported by São Paulo Research Foundation (FAPESP), located at the School of Pharmaceutical Sciences, University of São Paulo in São Paulo, Brazil.

D-limonene is a monoterpene abundant in citrus fruits known for its hypoglycaemic and hypolipidemic effects. The focus of the study is to evaluate mechanisms of action not yet explored, aiming to understand how this compound can modulate metabolism and prevent chronic diseases. For this purpose, a study in animal models will be carried out and different metabolomics platforms as well as metagenomic and gene expression analysis will be employed to assess d-limonene effects.

The ideal candidate must have:

- Obtained the PhD degree in the last 7 years;
- Have formal training in analytical chemistry (bachelor degree in chemistry, biochemistry, pharmacy or related areas);
- Demonstrated experience in targeted and untargeted metabolomics. This includes the operation of qToF and triple quadrupole mass spectrometers and familiarity with data analysis softwares and mass spectrometry databases;
- Experience in R for data analysis;
- Experience with metabolomics analysis applied to nutrition/ metabolism of phytochemicals;
- Be the first author in at least one scientific publication in an indexed journal.

Applicants must send a CV, motivation letter and one recommendation letter to forc@usp.br until 25/04/2019. A final decision will be made until the 05/05/2019. The estimated date to start the new position is 01/07/2019.

FAPESP post-doctoral fellowships consist of monthly allowances of R\$7373,10 and additional grant equivalent to 15% of the monthly allowances to cover costs related to the research project. The fellowship is granted for 2 years, with the possibility of extension for 2 extra years. Applicants living further than 350 Km from São Paulo are entitled to a relocation allowance and covering of travel costs.