

Research on the relationship between postprandial metabolism and inflammation

The Food Research Center (FoRC) is recruiting a postdoctoral fellow to study the relationship between inflammation and primary metabolism in the postprandial period. The project will be developed at the FoRC, located at the School of Pharmaceutical Sciences – University of São Paulo, in São Paulo SP, Brazil.

In the hours following the intake of a meal, changes in the plasma concentrations of dietary compounds, intermediates of primary metabolism and signalling molecules are observed. During this period, an inflammatory response develops, characterized by increasing plasma concentrations of pro-inflammatory cytokines and other messengers as well as changes in the number of circulating leukocytes. As the mechanisms involved in the development of this inflammatory response are still poorly understood, the project aims at investigating the relationship between changes in primary metabolism and in the inflammatory response that follow the ingestion of a meal.

For this position, the ideal candidate must:

- Have obtained his/her PhD in the last 7 years.
- Be the main (first) author in at least one scientific publication in an indexed journal.
- Be fluent in English.
- Demonstrate experience in techniques used in studies of the inflammatory response (measurement of cytokines by ELISA / Milliplex®, analysis of gene expression of mammalian cells, isolation of peripheral blood mononuclear cells, cell culture, etc.).

Familiarity with metabolomics analysis and experience in the management of clinical studies that involve recruiting research subjects and carrying out a dietary intervention is highly desirable.

Applicants must send their *curriculum vitae* and a letter of motivation, accompanied by one letter of recommendation from a former supervisor to the email **forc@usp.br** until 11/30/2020. The result of the selection will be announced until 12/20/2020 and the estimated date for the start of activities is 01/02/2021. Vacancies are open to Brazilians and foreigners.

The FAPESP postdoctoral scholarship grants a monthly fee of R\$ 7,373.10 and a Technical Reserve equivalent to 15% of the annual scholarship, destined to activities related to the research project. This scholarship has a duration of 2 years and can be renewed for up to 2 more years. Applicants residing more than 350 km from São Paulo SP - Brazil, can apply for installation assistance, which consists of an additional portion of the scholarship and transportation costs. More information about the FAPESP Postdoctoral Fellowship is available at www.fapesp.br/bolsas/pd.