ANNOUNCEMENT OF POST-DOC POSITION IN BRAZIL

RESEARCH DESCRIPTION: A postdoctoral position, with the duration of 18 months, is immediately available in the laboratory of Prof. Helio C. Salgado, Department of Physiology, School of Medicine of Ribeirão Preto, Ribeirão Preto, SP, Brazil. The applicant must have a Ph.D. Writing, and oral communication skills are central. This study aims to evaluate the effect of electrical activation of the baro- and chemoreflex on local and systemic inflammatory responses in rats with periodontitis developed after a ligation placed around the bilateral mandibular first molar. We hypothesize that carotid nerve electrical stimulation, in unanesthetized rats, attenuates the inflammatory response elicited by the periodontitis. The parameters to be measured will include pro and antiinflammatory cytokines, histological injury, attachment loss and alveolar bone level.

REQUIREMENTS: Candidates must have a Ph.D. in Physiology, or related discipline, background in oral anatomy and physiology, skill in the measurement of local and systemic cytokines, as well as the recording of heart rate and arterial pressure. Besides, the candidate must know the techniques used to exam heart rate variability (HRV) in the time (statistical methods) and frequency domain (spectral analysis). The candidate must have also experience with techniques of histology, microsurgery for isolating the carotid sinus nerve, enzyme-linked immunosorbent assay (ELISA), Western blot, and morphometric analysis of rat’s mandibular bone structure.

HOW TO APPLY: To ensure full consideration for the position, applicants should submit their application by April 23rd, 2018. Interested candidates are encouraged to send their Curriculum Vitae and three names or letters of references to the E-mail (hcsalgado@fmrp.usp.br) of Professor Helio C. Salgado, M.D., Ph.D., Department of Physiology, Ribeirão Preto Medical School, Av. Bandeirantes 3900, 14049-900, Ribeirão Preto, SP, Brazil.