



FACULDADE DE MEDICINA DE RIBEIRÃO PRETO-USP

Av. Bandeirantes, 3900 - Ribeirão Preto - SP - CEP 14049- 900

The Graduate Program in Rehabilitation and Functional Performance of the Ribeirão Preto Medical School of the University of São Paulo (FMRP-USP) makes public, by this notice, the opening of the registration process and selection of an (a) (1) Postdoctoral fellow, by scholarship granted by FAPESP in the process 2017/17596-4. The duration of the scholarship will follow the schedule of this project. The selected candidate will receive a Postdoctoral Fellowship in the amount determined according to the FAPESP table (<https://fapesp.br/valores/bolsasnopais>).

The scholarship is linked to a thematic project entitled "**Aerobic capacity, strength and muscular power of children and adolescents with chronic diseases - characterization and treatment.**" (process 2017/17596-4). The scholarship holder will be included in Subprojects 3.2.1 **Peripheral muscle fatigue of the upper limbs in children and adolescents with neuromuscular diseases** (especially from evaluations of patients with myopathies) and 3.5.1 **Factors related to physical deconditioning in children and adolescents with chronic illness,** since the pandemic of COVID-19 prevented data collection and analysis within the timeline initially proposed for the development of this topic.

Following the proposal of the research mentioned above project, the scholarship holder must:

(1) attend the outpatient clinic related to neuromuscular diseases (NDM) at HCFMRP-USP on Mondays (ANGE) and Tuesdays (ANEM and NEMI) at HC, and on Wednesdays at HC-Criança (ANGEI), collaborating in the recruitment of patients with potential to participate in ongoing research (following the inclusion criteria). Thus, the scholarship holder's profile must include a) experience in the evaluation and treatment of pediatric patients with NMD to establish a functional diagnosis, guide/propose interventions, and make appropriate physiotherapeutic referrals; and b) knowledge of evaluation methods and rehabilitation treatment based on DNM consensus; c) knowledge and experience in performing data collection (application of scales, such as FMS, PAQ-C/A, EK and PedsQL 4.0, MFM, CMTPedS-BR, PUL);

(2) participate in the data collection, processing, and analysis related to the fatigability test (using analysis routines in software such as Matlab - MathWorksInc., Natick, MA, USA; EMG works Analysis - Delsys Inc., Boston, USA; and Google Colab) and conduct statistical analysis;

(3) participate in the latest follow-up assessments of participants with chronic diseases in subproject 3.5.1, Theme 5. In this, patients will be assessed regarding weight, height, body composition (electrical bioimpedance), level of physical activity (Physical activity for children and adolescents - PAQ-C/A, and physical activity monitor), hand and upper limb grip strength (elbow flexors and extensors of shoulder abductors), and fatigue (using isokinetic and bulb, surface electromyography and cardiorespiratory evaluation at HCFMRP-USP);

(4) assist in the final data analysis and writing of the last scientific report (Final Report - 5).

APPLICANT'S OBLIGATIONS:

a) Dedicate exclusively to the research project (except with authorization from FAPESP, under the conditions provided for in Ordinance PR No. 05/2012).

b) Do not receive a scholarship from another entity, salary, or remuneration arising from the exercise of activities of any kind (except with authorization from FAPESP, under the conditions provided for in Ordinance PR No. 05/2012).

c) Submit scientific reports and reports of the application of technical reserve resources within the deadlines provided for in the Grant Term (TO), accompanied by the requested documentation. **IMPORTANT:** Failure to comply with these standards and Other obligations described in www.fapesp.br/pd implies canceling the exchange and refunding payments already made by FAPESP in updated amounts.

REGISTRATIONS:

The candidate must send the following documents (PDF format): a) Curriculum Lattes updated for Brazilian candidates or Curriculum Vitae for foreign candidates; b) Certificate of the Ph.D. title; c) two (2) recommendation letters from national (or international) researchers indicating the candidate's experience regarding: (i) evaluation and treatment of patients (children and adolescents) with neuromuscular diseases and (ii) data analysis and processing related to mechanical muscle function (force/torque, rate of torque development) and neuromuscular activation, using routines in a specific software (cited above); (c) attach to the application submission a scientific article (or master's thesis or doctoral thesis) of his (her) authorship demonstrating knowledge about motor

fatigue; (d) attach a letter expressing the reasons for interest in the fellowship. Enrollment in the selection process will imply knowledge and acceptance of the conditions established by FAPESP, available at www.fapesp.br/pd and in this Announcement, and candidates cannot claim ignorance.

Deadline for registration: **May 25 to June 10, 2023**. The documentation must be sent in PDF format to Profa. Dr. Claudia Ferreira da Rosa Sobreira Ribeirão Preto Medical School - USP; e-mail: csobreira@fmrp.usp.br; Phone: 16 3315-4413 or 36022548.

Selection process: The selection process will be carried out by an examining board of 3 (three) Ph.D. professor of the Thematic Project. The evaluation of the candidates will include the curricular analysis and clinical experience in the assessment and treatment of neuromuscular diseases and the analysis and processing of data related to neuromuscular function.

DISCLOSURE OF THE RESULT: The results of this process will be disclosed by **June 19, 2023**.

PROFA. DRA. CRISTINE HOMSI JORGE

COORDINATOR OF THE GRADUATE PROGRAM IN REHABILITATION AND
FUNCTIONAL PERFORMANCE OF THE RIBEIRÃO PRETO MEDICAL SCHOOL
- USP