



**CALL FOR PROPOSALS FOR THE AWARD OF RESEARCH STUDENTSHIPS WITHIN THE
FRAMEWORK OF R&D PROJECTS AND INSTITUTIONS**

Research Studentships (for PhD students)

Applications are open for one Research Studentship, within the framework of the project “Using markerless motion capture for a better screening of musculoskeletal injury risk in football players”, with the reference EXPL/SAU-DES/1441/2021, financed by national funds (PIDDAC) through Fundação para a Ciência e a Tecnologia, I.P./MCTES, under the following conditions:

Scientific Area: Biomechanics

Admission Requirements:

According to Article 6 of FCT Regulation for Research Studentships and Fellowships (Reg. nr. 950/2019):

- a) have a bachelor’s degree in Sports Sciences, Physiotherapy or Biomedical Engineering
- b) to be enrolled at Faculdade de Motricidade Humana in a PhD in Motricidade Humana in either the specialty of Biomecânica or Reabilitação
- c) has successfully completed the PhD seminars from the specialty of Biomecânica that are related to quantitative analysis of movement and biomechanical modelling
- d) be proficient in the statistical analyses techniques required for instrument validation studies
- e) is able to fluently speak and write in English

Academic degrees obtained in foreign countries shall be registered by a Portuguese institution, according to the Decree-Law nr. 66/2018, of August, 16th, and the Ordinance nr. 33/2019, of January, 25th. It is mandatory to present the certificate to sign the contract. More information is available on: <https://www.dges.gov.pt/pt/pagina/reconhecimento?plid=374>

Workplan:

The aims of this exploratory project are a) the identification, based on experts' opinion, of movement quality tests used to screen the risk of musculoskeletal injuries in football players, b) the assessment of the psychometric properties of a new markerless motion capture technology during the execution of the selected tests, and c) initiate the construction of a normative database for the same tests. Thus, the workplan includes: collecting three-dimensional kinematic data, building rigid body biomechanical models, processing and interpreting biomechanical data, creating and applying questionnaires and interpreting their results, perform statistical analyses, managing databases, presenting results in scientific events, writing reports and scientific articles.

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; FCT Regulation for Research Studentships and Fellowships, available on <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at Biomechanics and Functional Morphology Laboratory, from the Neuromechanics of the Human Movement Group, belonging to the CIPER, the research centre of Faculdade de Motricidade Humana, located in Estrada da Costa, 1499-002 Cruz Quebrada, Portugal, under the scientific supervision of Professor Silvia Cabral.

Duration: The research fellowship will have the duration of 12 months. It is expected to begin in March 2022, and can be renewed for periods of 3 months, as long as it does not exceed the project ending date.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is € 1.144,64, being Wire Transfer the payment method.

Other benefits: Reimbursement (upon request) of Seguro Social Voluntário, correspondent to the 1st “escalão da base de incidência contributiva”, and personal accident insurance.

Selection methods: The selection method will be the following:

- 1) Curriculum evaluation (assessment of the Curriculum vitae, the PhD seminars grades and the motivation letter, according to the admission requirements): 50%

- 2) Individual interview (interpersonal skills – 15%; knowledge within the field of the project – 20%; motivation – 10%; linguistic skills – 5%): 50%

Candidates with foreign certificates who do not present proof of the conversion of the final classification into the Portuguese classification scale will be evaluated with the minimum classification (10 points).

Composition of the selection Jury:

Prof. Sílvia Arsénio Rodrigues Cabral (Juri president)

Prof. Vera Moniz-Pereira (member)

Prof. Maria Filomena Carnide (member)

Prof. António Prieto Veloso (substitute member)

Announcement/ notification of the results: All candidates will be notified through the e-mail address indicated in the application of the Final Result of the Evaluation. If the result is unfavourable to the award of the grant requested, the candidates shall have a period of 10 (ten) working days, after the publication referred to in the previous number, to give their opinion, if they so wish, in a prior hearing of interested parties, under the terms set out in the Portuguese Administrative Procedure Code (CPA).

Application deadline and formalization: The call is open from the 10th of February until the 24th of February 2022.

It is mandatory to formalize applications with the submission of the following documents:

- i) *Curriculum Vitae*;
- ii) Academic degree certificate with final grades mandatory;
- iii) Proof of enrollment at an academic degree course (PhD);
- iv) Motivation letter;
- v) Other documents considered relevant for the evaluation of the application.

Applications must be submitted to the email: dgrh@fmh.ulisboa.pt with the following text on the subject **“Bolsa para Doutoramento FMH-2022-000297”**