



**NOTICE FOR THE ATTRIBUTION OF ONE POST-DOCTORAL RESEARCH FELLOWSHIP (BIPD) WITHIN THE PROJECT ENTITLED "IN SEARCH OF LOST MEMORIES: EXPERIMENTAL EVIDENCES AND COMPUTATIONAL MODELS OF VISUAL MEMORY IN HEALTHY AND NEURO-DEGENERATE AGEING", FUNDED BY FCT AND POR LISBOA 2020 (PTDC/PSI-GER/28184/2017)**

**Ref. FPUL/BIPD/2020/01**

One Post-Doctoral Research Fellowship (BIPD) is available at Faculdade de Psicologia da Universidade de Lisboa (Faculty of Psychology, University of Lisbon), within the Project entitled "In search of lost memories: experimental evidences and computational models of visual memory in healthy and neuro-degenerate ageing", with reference PTDC/PSI-GER/28184/2017, funded by FCT and POR Lisboa 2020, with the following conditions:

**Scientific Domain:** Cognitive Neuroscience, Experimental Psychology, Cognitive Science, or related areas.

**A. Admission criteria:**

1. PhD degree in Experimental Psychology and Cognitive Neuroscience, or related areas;
2. Proven experience with eye-tracking research (design, collection and analysis);
3. Certified proficiency in written and spoken English;
4. Proven experience in recruiting, collecting, analyzing data with older participants;
5. At least one scientific publication in an international journal with IF;
6. Evidence of presentations in international conferences in the areas of the call.

In addition, the candidate must cumulatively fulfil the following requirements [Article 7 of the current FCT Regulation for Research Studentships and Fellowships (Regulation No. 950/2019, of December 16)]:

- Holders of a doctorate degree obtained in the three years prior to the date of application for the fellowship\*;
- The post-doctoral research will be carried out in a host entity other than the one in which the research work leading to the award of the Ph.D. degree was carried out;
- The fellowship holder does not exceed, with the celebration of the fellowship contract in question, including possible renewals, an accumulated period of three years in this type of fellowship, followed or interpolated.

\* Documentary proof of title or degree, or recognition when awarded by foreign higher education institutions, when applicable for the fellowship type, may be waived at the application stage and replaced by declaration of honor of the candidate, and this condition is verified only in the contracting phase of the fellowship. This statement must attest to facts that occurred prior to the application date.



In situations of divergence between the information contained in the declaration and the documentation submitted for the purpose of contracting the fellowship, only the information contained in the latter will be considered. If it is found that the documents proving the ownership of the academic degree and diploma, or their recognition under Decree-Law No. 66/2018, of August 16, do not correspond to the ratings given in the assessment of the academic path and may, consequently, change the candidate's ranking, the fellowship contract will not be effective.

**Warning: the candidates that do not fulfil the above criteria will be excluded.**

**B. Preferential admission criteria:**

1. Experience with EEG research;
2. Experience with experimental software in at least one of the following: Psychophysics Toolbox, E-prime, Presentation, OpenSesame, Psychopy;
3. Proven command on computer programming in at least one of the following languages: Matlab, R or Python;
4. Experience in statistical analysis (univariate, multi-variate) and hierarchical regression modeling;
5. Excellent interpersonal and problem-solving skills, critical thinking and written/oral communication skills.

**C. Plan of activities:**

This project examines the formation, access and use of long-term visual memory by looking at the interplay of overt attention (eye-movement) and brain responses time-locked to it, in clinical and pathological ageing. It is further informed that research activities do not require post-doctoral experience and that the research activities will have a development and execution period of less than three years.

The successful candidate will be involved in:

- Design and implementation of long-term visual memory eye-tracking experiments. She/he is expected to use either opensource software (e.g., Opensesame, Psychopy) or custom software (e.g., Presentation/E-Prime) to design such experiments;
- Recruit and assess research participants;
- Analyse and process the resulting data using preferentially the R programming language;
- Collaborating in the preparation of internationally peer-reviewed journal articles;
- Help organizing workshops/events and teaching and dissemination activities related to the project.
- Disseminating the results of the project in international conferences.

The candidate may access to research and travel costs for conference attendance and visiting periods to be agreed with the PI of the project.



**D. Legislation and regulation:**

Status of the Research Scholar approved by Law No. 40/2004, of August 18, altered by Decree-Law No. 202/2012, of August 27, by Decree-Law No. 233/2012, of October 29, by Law No. 12/2013, of January 29, by Decree-Law No. 89/2013, of July 9, and by Decree-Law No. 123/2019, of August 28; FCT Regulation for Research Studentships and Fellowships, published by the Decree-Law No. 950/2019, of December 16; Regulation of Research Scholarships of the University of Lisbon, published in the Order (extract) No. 6984/2014, of May 28, altered by Order (extract) No. 6977/2015, of June 23, and by Order No. 3146/2019, of February 25.

**E. Place of research activities:**

The research activities will take place at the Research Center of the Faculdade de Psicologia da Universidade de Lisboa, as host institution, and foresee visiting periods, at the University of East London (UK). The researcher will work under the supervision of Prof. Moreno I. Coco (University of East London and Universidade de Lisboa) and Prof. Ana Luisa Raposo (Universidade de Lisboa).

**F. Fellowship duration:**

The fellowship has a duration of 12 months, renewable up to 13 months. The expected starting period will be April 2020.

**G. Monthly grant value:**

The successful candidate will receive 1600€ (one thousand six hundred euros) gross per month, according to the FCT pay scale <https://www.fct.pt/apoios/bolsas/valores>, which are paid monthly by bank transfer. The research fellowship will benefit from a personal accidents insurance and may benefit from social security by signing up to a voluntary national schema of social insurance. The activities will be developed under exclusive dedication.

**H. Selection methods:**

The selection process will be based on the curriculum vitae (70%) and formal interview (30%).

The curriculum vitae will be evaluated according to the following formula:

$0.7 \times \text{Work experience} + 0.3 \times \text{Preferential factors}$

a) Under **work experience**, we will consider the following scoring:

- Proven experience with eye-tracking research = up to 6 points.
  - The points are attributed based on the number of years of experience: up to 1 year (2 points), between 1 and 2 years (4 points), more than 2 years (6 points). Assessed through the curriculum vitae of the candidate and the reference letters.
- Published articles in international journals indexed by Web of Science (or Scopus) = up to 6 points.
  - Assessed through the curriculum vitae of the candidate: 1 publication (3 points), between 2 and 3 publications (4 points), more than 3 publications (6 points).

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- Proven evidence of presentations in international conferences in the areas of the call = up to 4 points.
  - Assessed through the curriculum vitae of the candidate: 1 attendance (2 points), more than 1 attendance (4 points).
- Experience in recruiting, collecting, analyzing data with older participants = up to 4 points.
  - Assessed through reference letter and/or scientific publication on the topic.

**b) Preferential factors will be graded considering the following scoring:**

- Experience with EEG research = up to 4 points.
  - Assessed through the curriculum vitae of the candidate and the reference letters.
- Experiment programming using opensource and custom software = up to 4 points.
  - Assessed through the curriculum vitae of the candidate and the reference letters.
- Proven command on computer programming in at least one of the following languages: Matlab, R or Python = up to 4 points.
  - Assessed through the curriculum vitae of the candidate and the reference letters.
- Experience with statistical analysis (univariate, multi-variate) and hierarchical regression modeling = up to 4 points.
  - Assessed through the curriculum vitae of the candidate and the reference letters.
- Excellent interpersonal and problem-solving skills, critical thinking and written/oral communication skills = up to 4 points.
  - Assessed through the reference letters.

Only the top 3 candidates will be called for an interview, and the other candidates will be excluded. The formal interview aims to assess the veracity of the provided information and to assess the professional skills of the candidate and her/his social and communicative skills as well as her/his level of spoken English. The assessment of the interview can range from 0 to 20 points.

#### **I. Selection panel:**

The selection panel is composed by Prof. Moreno I. Coco (UEL/FP-ULisboa), president of the selection panel; Dr. Giorgia D'Innocenzo (FP-ULisboa) and Prof. Ana Luísa Raposo (FP-ULisboa), as members of the selection panel; and Dr. Susana Araújo (FP-ULisboa) and Prof. Tânia Fernandes (FP-ULisboa) as alternate members.

#### **J. Communication of results:**

All candidates will be ranked on the basis of their final score, and the order list will be published at the website of the Faculdade de Psicologia da Universidade de Lisboa, in <https://www.psicologia.ulisboa.pt/sobre/rh/bolsas/>, as well as, physically posted in their premises, at a visible and public place. Counting from the publication of the list, the candidates have 10 working days to make their claim regarding the results. The selected candidate will be notified via e-mail.



**K. Application deadline and process:**

The application period occurs from February 26<sup>th</sup> to March 10<sup>th</sup> 2020.

The candidate should send the following documents:

1. Application form, provided at <https://www.psicologia.ulisboa.pt/sobre/rh/bolsas/> , dully filled;
2. Copy of title of residence, certificate of permanent residence or status of long-term duration residence, if applicable;
3. Motivation Letter;
4. Curriculum Vitae;
5. Copy of certificate of the degree required for the current application;  
Holders of academic degrees awarded by foreign higher education institutions must hold recognition of the academic degree required in this Notice in accordance with Decree-Law No. 66/2018, of August 16. The recognition of the degree, in accordance with the paragraph above, must be obtained until the date of the contract agreement signature, if the candidate ranked in the eligible position obtained the academic degree required in this Notice abroad;
6. At least 2 academic reference letters (one from PhD advisor, one from a collaborator) have to be sent by the referees directly to [bolsasfp@psicologia.ulisboa.pt](mailto:bolsasfp@psicologia.ulisboa.pt) prior to the application deadline.

Warning: the candidates that do not send all of the above documents will be excluded.

The applications are to be sent exclusively via email to [bolsasfp@psicologia.ulisboa.pt](mailto:bolsasfp@psicologia.ulisboa.pt) to the attention of Prof. Moreno I. Coco and mentioning the reference of the fellowship (Ref. FPUL/BIPD/2020/01).

Faculdade de Psicologia da Universidade de Lisboa, February 11<sup>th</sup> 2020

Dean of FPUL

*Prof. Doutor Luís Curral*