Technician Position Available

The laboratory: The Cajal Institute of Titu Maiorescu University is dedicated to translational research. English is spoken in the lab and we hold our lab meetings in English.

The context:
Beta cells replacement is considered a promising cure for diabetes (Type I). This therapy, however, is hindered by lack of tissues from compatible donors. In recent years, **transdifferentiation (TD) -** direct adult cell reprogramming into a different cell type, is becoming a promising direction towards autologous transplantations. Prof. Ferber's group in Israel has been the first to demonstrate that liver cells can be reprogrammed into pancreatic, insulin producing cells (IPCs), by ectopic expression of pancreatic transcription factors (pTFs). The present project aims to generate autologous insulin producing cells derived from the diabetic patients' liver, delineate the mechanism of the reprogramming process and analyze the generated cells functionality in pre-clinical setting.

The position and the Candidate's profile:
A full position is open in the team of regenerative medicine in Diabetes under the supervision of Prof Sarah Ferber for a highly motivated and talented **technician**. The team is international and active collaboration with Israel and Europe is expected.
The **technician** will be part of the funded project from Competitiveness Operational Programme 2014-2020 Priority Axis 1 – Research, Technological Development and Innovation (Rd&I) To Support Economic Competitiveness and Business Development Action 1.1.4. Attracting high-level personnel from abroad in order to enhance the RD capacity.

Technological facilities are available, such as mRNA sequencing and shared equipment and instrumentation: tissue culture rooms: FACS for analysis and sorting; QPCR machine, Elisa plate reader.

Eligibility criteria

- University degree in the field of medicine, biology, chemistry, biotechnology
- BSc (with 3-4 years' relevant experience)
- excellent skills in primary cell cultures and bio-banking, molecular biology including advanced live cell optical Imaging approaches, gene expression, western blotting, DNA and RNA extraction, PCR and related techniques. Individuals with additional experience in studying pancreatic islet cells, and small animal models, are welcome.

Language skills: English;

- Prior activity which demonstrates vested interest in research
- The ability to analyze and synthesize scientific articles data

The application file consists in:
Step 1 - selection of the eligible applicants based on documents specified at A):
Step 2 –interview for the selected applicants and documents specified at B)
Candidates are evaluated and ranked on merit by the evaluation committees.

The application file consists in:
The application, CV, cover letter need to be in English

Copies of documents attesting the applicant's level of study and other documents attesting the applicant's performed specializations as follows:

A) For step 1

a. Curriculum vitae
b. Copies of the ID document
c. Copies of documents attesting achieved minimal requirements (attesting the working experience)
d. Copies of documents attesting the expertise in the requested field
e. Motivational / Cover letter in english;
f. Names of two references or Recommendation letters

B) For step 2

a. Copies of original academic documents (degrees, diplomas, certificates) must be attested as true copies of the original; (Copies of authenticated documents).
b. Medical certificate, issued not more than 6 months before the competition, by the family doctor of the candidate or by other medical unit, or a statutory declaration with the obligation to complete application files with the medical certificate no later than the date of the competition;
c. Criminal record or a statutory declaration that the candidate has no penal history that makes him/her incompatible with the job that candidates for.

Procedure for submitting required documents:

Before the closing date for applications, candidates may submit the application documents for step 1 at the following e-mail address: sarahferber@yahoo.com and for step 2 at the following address sarahferber@yahoo.com, diacure@univ.utm.ro
No files can be added after the deadline for submitting applications.
The chosen individual should be available to start working by March – April 2018.

Submit the electronic files - February 16 th 2018

Evaluation of the application files (Step 1): February 23 th 2018

Contestation: March 5th 2018

Evaluation Step 2: March 16th 2018