EHA Ukraine Bridge Funding Program - Institution form

The European Hematology Association wants to support Ukrainian basic or clinical researchers in Hematology who are refugees in other European countries by offering one-year funding to supportpositions for these researchers in institutions or universities. The goal is to support researchskills acquisition and maintenance, promote networking and cooperation, and contribute to therebuilding of hematology in Ukraine after the war. As part of the application process, this form must be filled by the university/institution wishing tooffer a position to a Ukrainian applicant.

1. What are the name and address of your university/institution/research group

Charles University in Prague, First Faculty of Medicine, BIOCEV department, Laboratory of Lymphoma Tumor Biology

2. What is the position offered to the candidate? Please indicate expected starting date

Postdoctoral scientist in translational hematology research with starting date April 1st, 2023

3. Name and contact details of direct supervisor

4. Please briefly describe the project in which the candidate will be involved. Please note that the candidate cannot participate to patient care. (max 2500 characters)

Among other topics, would be primarily involved in two connected projects running in our laboratory. First is focused on studies of circulating tumor DNA in lymphomas and second on evaluation of functional effect of lymphoma associated mutations *in vitro*.

It has been shown that tumor cell derived cell free DNA (circulating tumor DNA, ctDNA) could be detected in various non-cellular body compartments and/or fluids and could be utilized for disease monitoring and cancer associated mutations detection. We have recently developed our own panel including 540 genes frequently mutated in various types of lymphomas (to be used in CAncer Personalized Profiling by deep Sequencing, or CAPP-Seq, approach) and successfully tested its performance and use for ctDNA detection. In collaboration with five hematology centers in the Czech Republic, we are collecting plasma samples for ctDNA evaluation in relation to prognostic stratification and treatment response evaluation. We would further focus to provide additional evidence for diagnostic utilization of ctDNA detection in specific clinical situations as are intraocular lymphomas (ctDNA detection in vitreous samples obtained within vitrectomy in patients with suspected intraocular lymphomas), CNS lymphomas (cerebrospinal fluids collected at the time of diagnostics and/or therapeutical intervention), or rare cases of T cell lymphomas. All these samples are already being collected and are prepared for ctDNA analysis and testing.

Connected to the detection of lymphoma associated mutations from ctDNA, we are very skilled in generation of specific modified lymphoma cell lines to genetically introduce and evaluate the functional consequences of these mutations. As a part of our long-term interest, Dr. Tkachenko will be involved in detailed evaluation of functional consequences of CD79B mutations on oncogenic B-cell receptor signaling initiation and transmission. Consequently, similar experimental approach will be utilized for characterization of key mutations detected from ctDNA with unknown functional effect.

characterization of key inductions detected from etal-121 with disknown functional effect.
5. Will bench work/materials be funded by the institution (required for EHA to fund the salary)
Yes
6. Please provide cost calculations for fellowship, for one year
The gross salary for will be 2 100 EUR per months (25 200 EUR per year) plus statutory mandatory health and social insurance contributions and the social fund amount to 35.8% of gross wages (9000 EUR per year). The total cost for one year fellowship would be 34 200 EUR.
7. What is the monthly stipend paid to a local candidate of similar level in your country (in euros)?
The gross salary of similar level postdoctoral scientist is per month.
8. Do you confirm that the candidate's language skills are adequate to perform in your institution?
Yes
9. The hosting institution will take responsibility for the researcher and her/his project. The researcher is expected to write a progress report at 6 months and a final report on completion of the project after one year. The researcher's supervisor will be responsible for the completion of these requirements.
Agree
Submitted to EHA on 14.2.2023

EHA Ukraine Bridge Funding Program - Candidate form

The European Hematology Association wants to support Ukrainian basic or clinical researchers in Hematology who are refugees in other European countries by offering one year funding to support positions for these researchers in institutions or universities. The goal is to support research skills acquisition and maintenance, promote networking and cooperation, and contribute to the rebuilding of hematology in Ukraine after the war. As part of the application process, this form must be filled by the candidate applying for an EHA funded position

1. Please give your	name and contact	details (title,	email, home	e address, o	current a	address a	and
phone number):							

- 2. Are you Ukrainian and did you leave Ukraine because of the war?
- 3. Please indicate the highest degree you have completed, the university you graduated from, and your graduation date:

Associate Professor, 2020 PhD, 2015

MD, Kharkiv National Medical University, Kharkiv, Ukraine, 2010

4.In Ukraine, were you working as:

Post-doc in hematology

5. If you answered in question 4 that you were working, please give name and address of institution:

Kharkiv National Medical University, Nauky ave 4, 61022 Kharkiv, Ukraine

6. Do you intend to return to Ukraine after the war?

Yes

7. Have you identified a suitable position in a European university or research institution? Yes

8.Please briefly describe the position and the location (name and address of institution, and name of direct supervisor). Please indicate tentative starting date:

Postdoctoral scientist supervised by at the laboratory of lymphoma biology research at BIOCEV, Průmyslová 595, 252 50 Vestec, First Faculty of Medicine, Charles University, Czech Republic.

Starting date: April 1, 2023

9. Should you be successful in obtaining funding from EHA, you will be responsible for writing a progress report at 6 months and a final report at 12 months:

I agree

10. Please briefly describe your future career plans in Ukraine after the war:

Since the war in Ukraine is still far from over, it is difficult to make short-term plans. However, after the war, it would be possible for me to occupy my previous position, Director of the Research Institute of Experimental and Clinical Medicine at Kharkiv National Medical University, which will provide many opportunities to contribute to rebuilding of post-war Ukrainian science by implementing the skills obtained in the Czech Republic.

11. CV sent to EHA at following email address:

<u>ukrainebridgefunding@ehaweb.org</u>
@ehaweb.org

12. Letter of motivation sent to EHA at following email address: ukrainebridgefunding@ehaweb.org

@ehaweb.org

13. Letter of recommendation (maximum 2) sent to EHA at following email address:

<u>ukrainebridgefunding@ehaweb.org</u>
@ehaweb.org

Letter of recommendation, CV, and letter of motivation were all sent to: ukrainebridgefunding@ehaweb.org and ukrainebridgefunding@ehaweb.org and ukrainebridgefunding@ehaweb.org and

Submitted to EHA on 14.2.2023.