

Courtesy translation of D.R. n. 017/2023

For more details on the selection process, please refer to the Italian version of

D.R. n. 017/2023 available at http://www.hunimed.eu/it/lavora-con-noi/

SELECTION PROCEDURE FOR A RESEARCH FELLOWSHIP IN COMPLIANCE WITH ART. 22 OF LAW 240/2010

	rof.ssa Raffaella BONECCHI
Scientific Area 06	6 – Medical Sciences
Gross amount of the fellowship	3.000 Euro
Duration of the fellowship	2 months
Objectives of the research Wman The min im In re	High-grade gliomas (HGGs) are aggressive brain tumors with a limited response to treatments. Recent data indicate that glioma patients can benefit from preoperative immune-heckpoint inhibition and for this reason, is important to dentify immunosuppressive mechanisms. Neutrophils are onsidered major players in the immunosuppression of umor patients. However, granulocyte progenitors can be eprogrammed by metabolic and epigenetic mechanisms to ive rise to antitumoral neutrophils. The atypical chemokine ecceptor ACKR2 is a negative regulator of neutrophil differentiation. We hypothesize that ACKR2 genetic deletion induces metabolic changes that can promote epigenetic rewiring of intitumoral granulopoiesis. The general aim of this project is to understand whether modulation of granulopoiesis can enhance antitumor mmunity in HGGs. In particular we will study which is the mechanism of egulation of granulopoiesis exerted by the atypical hemokine receptor ACKR2 and whether promotion of



	antitumoral granulopoiesis could be protective in preclinical models of glioma.
Activities to be carried out	The mechanism of regulation of antitumoral granulopoiesis will be studied by transcriptomic and epigenetic analysis of WT and ACKR2 KO hematopoietic progenitors. The effects on granulopoiesis will be studied by multiparametric FACS analysis. The effect on glioma growth will be studied in WT, ACKR2 KO and csfr3 KO mice with an orthotopically injected supposes model of glioma.
Work place	syngeneic model of glioma. PIEVE EMANUELE - Milan
TTOTA PIGCE	
Mandatory requirements	In order to be considered for the post candidates must hold Master's Degree in Biotechnology or Biology or Medicine and Surgery
Selection process	Application for admissions must be submitted at the following link: https://pica.cineca.it/humanitas No hard copy of the application must be sent by post. At first access, applicants need to register by clicking on "Register" and completing the requested data. If applicants already have LOGINMIUR credentials, they do not need to register again. They must access with their LOGINMIUR username and password in the relevant field LOGINMIUR. Applicants must enter all data necessary to produce the application and attach the required documents in PDF format.
Selection criteria	Selection criteria are predetermined by the Selection Committee. As part of the selection process, the Committee will evaluate the curriculum, titles and publications presented by the candidate and will consider, in particular: - Theoretical knowledge and technical skills acquired - Further requirements will also be considered, such as: - Excellent knowledge of English, spoken and written



FURTHER INFORMATION:

In the event of any conflict between Job Opening text and Italian D.R. text, the Italian version will prevail.

For more details on the selection process please refer to the **D.R. n. 017/2023** (http://www.hunimed.eu/it/lavora-con-noi/) or send an inquiry to ufficiodocenti@hunimed.eu or telephone +39 02.8224.5642/5421.