

The role of tyrosine kinase receptors in the diagnosis and therapy of brain tumors

Project director: Prof. Univ. dr. Anica Dricu

Scientific report I (5th of october-31st of december 2011)

The objectives of the execution phase

In phase I of the project, numerous meetings were held with the team members who have achieved the following objectives:

- Bibliographic study
 1. Bibliographic documentation in the preparatory phase of the research was required to
 2. Increasing skills in areas studied
 3. Defining the objectives of the study
 4. Developing working hypothesis
- Defining the research: the specification of the field of study, analysis and depth of the problem
- Discussing and clarify the assumptions of the research study
- Establishing a method and equipment necessary
- Discussing the ethical concepts of biomedical which regard the project and preparing the papers necessary to obtain the consent of the Ethic's Board
- Identifying national and international groups that will seek collaboration
- Purchasing consumables necessary for carrying out the objectives
- Collection and processing of samples from patients with brain tumors
- Publishing a book chapter in collaboration with other research groups
- Preparing a theoretical paper that will be submitted for publication in the second stage of the Project

Results

In this first phase of the project the following results were obtained:

- Establishment of working protocols
- Preparation of material required to obtain the agreement of the ethics committee
- The purchase of consumables necessary for carrying out the objectives
- Collection and processing of samples from patients with brain tumors, along with co-demographic, pathological and imaging data.
- Publication of a book chapter in collaboration with two research groups from abroad (USA and Finland). The book is being published by InTech.

DNA methylation (ISBN 979-953-307-453-4), InTech, 2011

Chapter: epigenetic alteration of receptor tyrosine kinases in cancer. Anica Dricu Stephen Purcaru Oana Raluca Budiu, Roxana Ola, Daniela Elise Tache and Anda Vlad

- The preparation of a theoretical paper to be completed and submitted for publication in the second stage of the Project. The manuscript is done in collaboration with other research groups in the field.

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