



LEIDEN UNIVERSITY MEDICAL CENTER



Tehran University of Medical Sciences

MEMORANDUM OF UNDERSTANDING

between

*EuropDonor Foundation and Dept of Immunohematology and Blood Transfusion (IHB)
of the Leiden University Medical Centre (LUMC), the Netherlands;*

and

*Research Institute for Hematology, Oncology and Stem Cell Transplantation of
Tehran University of Medical Sciences (TUMS) and Iranian Blood Transfusion
Organization (IBTO), Iran*

PURPOSE

EuropDonor Foundation, Dept of Immunohematology and Blood Transfusion (IHB) of the Leiden University Medical Centre (LUMC), the Netherlands; Research Institute for Hematology, Oncology and Stem Cell Transplantation, Tehran University of Medical Sciences (TUMS) and Iranian Blood Transfusion Organization (IBTO), Iran (hereinafter referred to as "the parties"), realizing the great potential brought forth by the development of science and technology in addressing health and medical issues in two countries; guided by the willingness to strengthen the existing cooperation and collaboration between their respective countries in the field of health and medical sciences; considering the strong traditions of research in *allo-immunity in pregnancy, transfusions and transplantation* in parties; with the aim of enhancing and promoting research and development in this field; have agreed upon the followings:

ARTICLE I

The parties intend to enhance and expand cooperative efforts in health and medical sciences according to the following general principles:

- a) The parties intend to conduct all activities in the spirit of partnership, mutual cooperation, and scientific excellence.
- b) The cooperation provided for in this MoU does not affect relations currently established between institutions or individuals of EuropDonor Foundation, Leiden University Medical Centre (LUMC), Tehran University of Medical Sciences (TUMS) and Iranian Blood Transfusion Organization (IBTO), rather the parties intend to identify new areas for joint activities.



LEIDEN UNIVERSITY MEDICAL CENTER



Tehran University of Medical Sciences

ARTICLE II

The parties plan to provide for an expansion of cooperation across a broad range of mutual interests. Initial efforts are to be directed at developing joint activities, and addressing common research interests in:

- 1- Selection of cord blood donors for transplantation: role for Non-Inherited Maternal (NIMA) and Inherited Paternal (IPA) antigens.
- 2- Validation of techniques for relevance of antibodies detected by single HLA antigen Luminex-based assays for organ and stem cell transplantation.
- 3- Prevention of red blood cell antibodies for frequently transfused patients by prospective selection for compatible RBC antigens and the role of HLA restriction molecules.
- 4- Selection of platelet donors with low expression of HLA class I antigens for refractory multi-immunized patients.
- 5- Cooperation in the development of pre- and post-graduate medical education programs, certification and maintenance of accreditation of transfusion medicine specialists and physicians caring for donors of blood, cells, tissues and organs, establishment of courses and e-learning possibilities.

Other specific areas may be identified from time to time by mutual consent of the parties.

ARTICLE III

The methods of cooperation provided for in this MoU include, but are not limited to:

- 1) Coordinating scientific programs and research projects;
- 2) Exchanging and training of scientists and delegations;
- 3) Sharing of information and technology in support of research activities;
- 4) Exchanging information and academics concerning the sharing of best practices; and
- 5) Holding meetings, workshops, and scientific conferences.

ARTICLE IV

For each area of cooperation, and initially for those areas identified in Article II, the parties or their designees intend to identify an appropriate coordinator to take the lead in overseeing the practical implementation of activities. The appropriate coordinator of the all parties shall be responsible for coordinating communications and activities with their counterparts and should be responsible for fulfilling mutually decided responsibilities.



LEIDEN UNIVERSITY MEDICAL CENTER



Tehran University of Medical Sciences

ARTICLE V

All activities undertaken, pursuant to this MoU, are to be conducted in accordance with the laws and regulations of the Netherlands and Iran and are subject to the availability of personnel, resources, and appropriated funds. The expenses arising from cooperative activities under this MoU will be covered by all parties. Moreover, projects under this MoU are to be implemented based on consultations among the parties and project arrangements signed by relevant participants.

ARTICLE VI

This MoU should come into force upon signature by the designated representatives of all parties and shall remain in force for a period of five (5) years. It may be extended for additional five-year periods by the mutual written consent of the parties. This MoU may be amended by mutual written consent of the parties.

COORDINATORS

All parties will appoint a coordinator to facilitate the communication between them.

LEIDEN UNIVERSITY MEDICAL CENTRE & EUROPDONOR FOUNDATION	TEHRAN UNIVERSITY OF MEDICAL SCIENCES & IRANIAN BLOOD TRANSFUSION ORGANIZATION
Name: Prof. Anneke Brand	Name: Dr. Fatemeh Nadali
Email: a.brand@sanquin.nl ; brand@europdonor.nl	Email: nadalifa@yahoo.com
Address: Albinusdreef 2, 2333 AA Leiden, the Netherlands Europdonor Foundation Plesmanlaan 1a, 2333 BZ, Leiden, the Netherlands	Address: Hematology Department, School of Allied Medicine Tehran University of Medical Sciences, Hemmat Highway
Department: Immunohematology and Blood Transfusion Service (IHB)	School: Hematology Dep., School of Allied Medicine
Telephone: (+31-71) 568 5053/5030	Telephone: (+98-21) 86 70 47 02
Fax: _____	Fax: (+98-21) 88 62 25 76



LEIDEN UNIVERSITY MEDICAL CENTER



Tehran University of Medical Sciences

LEIDEN UNIVERSITY MEDICAL CENTRE

NAME Prof. Anneke Brand

POSITION Representative of Dept
Immunohematology and Blood Transfusion Leiden
University Medical Centre; and
Medical Director of Europdonor Foundation for
Exchange of Matched Unrelated Stem Cell
Donations

DATE.....19 Jan 2013

SIGNATURE

TEHRAN UNIVERSITY OF MEDICAL SCIENCES

NAME Prof. Ardeshir Ghavamzadeh

POSITION Director of Research Institute for
Hematology, Oncology and Stem Cell
Transplantation

DATE.....marh.18.2013

SIGNATURE

IRANIAN BLOOD TRANSFUSION ORGANIZATION

NAME Dr. Gholamreza Gooteh

POSITION Managing Director of Iranian Blood
Transfusion Organization

DATE.....Dr. Gholamreza Toogeh

SIGNATURE