



Certificate of Completion

Campus Hungary Short Term Study Program

Details of the student

Name of student (surname, first name): Trojnár Eszter

Address (house number, street name, postcode, city, country): 160/1 Komlói út 7628 Pécs, Hungary

Nationality: Hungarian

Sending Institution: Semmelweis University Budapest

Subject area: Faculty of Medicine

Dates of the completed Short Term Study program (Including days of travelling.)

Arrival (dd.mm.yyyy): 01.08.2013

Departure (dd.mm.yyyy): 31.08.2013

Type of activity planned at the host institution/university (please underline):

Thesis research

PhD. thesis research

conference

short term studies

other:

Working language: English

Details of the host institution/university

Name of the institution/university: University of Helsinki

Department/Faculty: Haartman Institute/Faculty of Medicine

Website: <http://www.helsinki.fi/university/>

Address: P.O. Box 33 (Yliopistonkatu) 00014 University of Helsinki

City: Helsinki

Country: Finland

Name of contact person: Adj. Prof. T. Sakari Jokiranta

Title: Medical Doctor, Senior Lecturer

E-mail: sakari.jokiranta@helsinki.fi

Phone number: +358505471184

Brief description of the completed short term study program:

The aim of Eszter Trojnár's short term study program was to get to know immunological methods used both in diagnostic and research at the Department of Bacteriology and Immunology in Haartman Institute of the University of Helsinki. She is member of Füst György Complement Diagnostic Laboratory, where she investigates the immunological background of autoimmune haemolytic uremic syndrome under the supervision of Prof. Dr. Zoltán Prohászka. This short term study program gave her the opportunity to broaden her knowledge with the methods used in the Department of Bacteriology and Immunology, Haartman Institute, University of Helsinki.





Description of skills and competences acquired during the short term study program

1. Activities/tasks carried out

Enzyme-Linked Immunosorbent Assay experiments in order to investigate the exact pathway of autoimmune Haemolytic Uremic Syndrome.
Gel-electrophoresis, in order to investigate special regulator proteins of the complement alternative pathway.

2. Specific professional competences acquired

Process of competitive ELISA measurements, their application and utilization in research.
Statistical analysis of the obtained data.

3. Language skills and competences acquired (if not included under 'Job-related skills and competences')

Professional English vocabulary used in the immunological field.

4. Computer skills and competences acquired (if not included under 'Job-related skills and competences')

Application of statistical analysis with GraphPad Prism Program.

5. Organisational skills and competences acquired (if not included under 'Job-related skills and competences')

Planning of related experiments and investigation of immunological problems with different related methods.

6. Social skills and competences acquired (if not included under 'Job-related skills and competences')

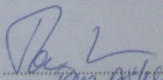
-

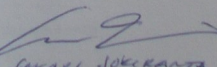
7. Other skills and competences acquired

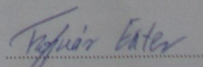
-

8. Number of awarded ECTS credits (if any):-

Hereby I certify, that the above mentioned student has successfully completed the described Short Term Study Program.


signature of institution/university representative
JANOS MOLNAR
DIRECTOR OF THE INSTITUTE
Signed on (date) 2/9/2013 at HUNGARY


JANOS MOLNAR
MD PhD, Assoc Prof.


signature of student
Tamas Ester

Signed on (date) 2/9/2013 at HUNGARY

place of institution/organization seal





Invitation Letter for Short Term Study Program

Details of the student

Name of student (surname, first name): Trojnar Eszter

Sending Institution: Semmelweis University, Third Department of Internal Medicine

Subject area: Immunology

Planned dates of the Short Term Study program (including days of travelling):

Arrival (dd.mm.yyyy): 01. 08. 2013.

Departure (dd.mm.yyyy): 31.08. 2013.

Type of activity planned at the host institution/university (please underline):

Thesis research

PhD. thesis research

conference

short term studies

other:

Working language: English

Details of the host institution/university

Name of the institution/university: University of Helsinki

Department/Faculty: Department of Bacteriology and Immunology, Haartman Institute

Website: www.hi.helsinki.fi

Address: Haartmaninkatu 3, FIN-00014 University of Helsinki

City: Helsinki

Country: Finland

Name of contact person: Adj. Prof. T. Sakari Jokiranta

Title: Senior lecturer, MD, PhD, Adj. Prof.

E-mail: sakari.jokiranta@helsinki.fi

Phone number: +358-9-1911, GSM +358-50-5471184

Brief description of the proposed short term study program:

Eszter Trojnar is a fourth year medic at Semmelweis University. She conducts her research activity in the György Füst Complement Diagnostic Laboratory lead by Professor Zoltán Prohászka. She investigates the molecular aspects of the autoimmune form of atypical hemolytic uremic syndrome. During the study period the student is ought to learn new methods for the analysis of mutation associated loss of function of complement Factor H, and other structure-function relationships in complement regulatory proteins. With the help of this expertise she will learn unique methods to be used in the sending laboratory for the investigation of hemolytic uremic syndrome.

Hereby I certify, that the above proposed Short Term Study Program is approved. Upon successful application to Campus Hungary Short Term Study Program, we are willing to receive the above mentioned student to complete the described activity. Upon completion of the planned activity, we will issue a Certificate of Attendance to the student. If his/her planned activity is rewarded by ECTS credits by our institution/university, we will also issue a Transcript of Records containing to the Student.

Prof. Kalle Saksela,

Vice head of the Haartman Institute

T. Sakari Jokiranta

Group leader

signature of student

Signed on (date) at

Signed in Helsinki at March 8, 2013

Opetuskeskus
Klinisteoreettinen osasto
PL 21 (Haartmaninkatu 3)
00014 Helsingin yliopisto

Balassi Institute

Address: 1016 Budapest, Somlói út 51.

E-mail: bbi@bbi.hu

www.balassi-intezet.hu

www.ujszecenyterv.gov.hu

