LERU STudent REseArch Mobility Programme (STREAM)  
Project proposal

Host University:  
Università degli studi di Milano

Field:  
Medicine

Specified field, subject:  
Renal pathophysiology

Research project title:  
Evaluation of inflammatory and fibrotic markers in renal biopsies of renal transplanted patients

Possible starting month(s):

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Possible duration in months:

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Suitable for students in:  
1st cycle (Bachelor students)

Prerequisites:  
Basic knowledge in biology and pathophysiology of fibrotic and inflammatory processes. Basic knowledge of renal anatomy and physiology; Good knowledge of English language.

Restrictions:  
none

Description:  
This project aims to evaluate in renal biopsies of renal transplanted patients (RTx): 1) the expression of inflammatory and fibrotic mediators within the different renal compartments. Using laser capture microdissection, tubules, glomeruli and vessels will be divided and evaluated separately by molecular biology techniques. 2) The expression of some interleukin; 3) In addition clinical and biochemical parameters will be recorded. 4) Tissutal immunohistochemistry will be performed on renal tissue when it will be possible. We would like to analyse a minimum of 50 patients.

Faculty or Department  
Department of Clinical Sciences and Community Health, University of Milan, Italy - Unit of Nephrology Dialysis and Kidney transplantation

Contact person:  
International relations office, University of Milan

Contact email:  
international.programmes@unimi.it.