

**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):

Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
				x	x						

Possible duration in months:

1	2	3	4	5	6
					x

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.

