

**LERU STudent REseArch Mobility Programme (STREAM)
Project proposal**



Host University:
Università degli studi di Milano



Field:
Chemistry

Specified field, subject:
Organic Chemistry



Research project title:
Trifunctional self-immolative spacers for the dual-controlled activation of anticancer prodrugs

Possible starting month(s):

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



Possible duration in months:

1	2	3	4	5	6
					X

Suitable for students in:
2nd cycle (Master students)



Prerequisites:
English language spoken and written, good knowledge of organic synthesis

Restrictions:
For Master thesis students only. Except August.



Description:
The proposed research aims at developing novel anticancer prodrugs capable of releasing highly cytotoxic payloads upon chemical degradation of two protective units (triggers), mediated by different tumor-associated enzymes. This goal will be pursued exploiting a trifunctional self-immolative spacer recently developed by the research group of Prof. Cesare Gennari, which will be further modified to improve the control of drug activation at the site of disease and to prevent off-target toxicities. **Only in presence.**

Faculty or Department:
Department of Chemistry

Contact person:
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