



**Thesis Project
in Crops Biotechnology
(for students L2 - LM7 - LM8)**

**Engineering of the light-harvesting system
in crop plants**



The research activity will be carried out at the Photosynthesis and Bioenergy Laboratory and will involve acquiring knowledge and skills in biochemistry, molecular biology, and physiological characterization of transgenic lines of *Nicotiana tabacum*.

What you will do:

Transformation and selection of the lines of interest.

Cultivation of the lines of interest in growth chambers.

Biochemical analysis of the composition of the photosynthetic apparatus.

Evaluation of biomass yield under sub-optimal light conditions.

Requirements:

Interest in sustainability and experimental research.

Good practical skills in a biological/chemical laboratory.

For information:

www.photobiolabuvr.it

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