Proposition for a Master 2 internship (January 2020 – June 2020)

Laboratory and Institute:
- Name of the supervisor: Livia Merendino (CNRS researcher, HDR)
- Name of the team leader: Claire Lurin, OGE team
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Profile of the internship: plant biology, organelle biology, gene-expression, molecular biology, genetics

Brief description of the internship:

Impact of plastid dysfunction on nuclear gene-expression and early development in Arabidopsis thaliana plants

The main aim of the M2 internship will be to study the impact of defects in specific steps of plastid gene-expression on the nuclear gene-expression and plant development. For this aim, expression of nuclear marker genes and plant morphology will be studied in plants deficient in the plastidial transcriptional or translational machineries. The student will establish the molecular tools required for the setting of genetic screenings to identify new factors involved in the plastid-nucleus signaling pathway.