

Alexandra Martín

alexandra.martin@uam.es

PROFILE

PhD student in the Agricultural Chemistry PhD program at the Universidad Autónoma de Madrid. Experience in plant molecular biology. Highly-motivated, active and efficient. Enjoy the team working and the problem solving.

EDUCATIONAL BACKGROUND

University Degree in Biochemistry (5 years) - Universidad Autónoma de Madrid - 2013

Masters Degree in Biotechnology (60 ECTS) - Universidad Autónoma de Madrid - 2014

PROJECTS

Identification of transcription factors that affect the root development in *Arabidopsis thaliana* – 2012.

Degree final project at Dr. Crisanto Gutierrez's Laboratory in the CBMSO, Madrid.

Insertion mutants selection by PCR and sequencing — 2012

Summer project (validated as credits of the degree) at Dr. Gutierrez's Laboratory in the CBMSO, Madrid.

CDT1a dynamics during cell cycle in *Arabidopsis thaliana* — 2014

Master final project at Dr. Gutierrez's Laboratory in the CBMSO, Madrid.

Evaluation of commercial bioestimulants by physiological study in crop plants — Since 2015

PhD project at Dr. Juan José Lucena's Laboratory in the Agricultural Chemistry and Food Science Department at UAM, Madrid.

EXPERIMENTAL TECHNIQUES

- PCR
- RT-qPCR
- Cloning
- Western blotting
- Flow cytometry
- Optical and confocal microscopy (including *in vivo*)
- Immunoprecipitation

COMPUTER SKILLS

Image processing with ImageJ

Cell-cycle array data analysis.

Proficient in Word, Excel and Power Point.

COLLABORATIONS

Collaboration at Dr. Gutierrez's laboratory during the 2012-2013 academic course.