

Laëtitia GUIGNIER

Work experience

2017-2018 : DuPont Danisco (86 - France), Scientist in Genomics. Analysis and exploitation of the lactic bacteria genomes (bioanalyses of the core/pan genome, genome annotations, identification of genes of interest, use of free and home-made programs via the Linux language for genomic analyses).

2011-2017 : GAUTIER Semences (13), Applied Genomics in Tomato (50% bioinformatics/genomics, 50% molecular biology)

- ♦ Implement the genomic activity within the company, choice of user-friendly analysis software
- ♦ Sequencing projects: choice of sequencing methods and providers, reception and genomic data management, data analysis (variant analysis, phylogenetic trees, chromosomal rearrangements, etc...) and result reporting.
- ♦ Molecular marker development : test and validate the assumptions (made thanks to genomic analyses), using molecular biology (PCR, qPCR, HRM, KASPar).
- ♦ Phenotyping in greenhouses (mainly tomato fruit shape).
- ♦ Project management
- ♦ Science watch
- ♦ Transversality: strategies development in close collaboration with the breeders, pathologists and molecular biologists
- ♦ Represent the company with specialized teams in Europe and USA, participation in congresses
- ♦ Trainees management

Vocational training

In 2016 : Project management (by Efficient Innovation)

2014, February : BIOLINUX, Automate Genomic Analysis (5 days, Montpellier SupAgro); Writing command lines in order to analyse large data sets (NGS...)

2013, April : Genomics and Bioinformatics (3 days, Univ ; of Wageningen)
Know how to exploit the different types of data, from assembly to variant files (linux language)

2011, September : Lettuce reference genome annotations (1 month, Michelmoré's team, UC Davis, California); as part of the lettuce reference genome sequencing, annotations of 9 chromosomes (Apollo Genome Annotation Curation Tool)

Education

2011 : Master's degree Plant Biology and Biotechnology – University Bordeaux 1-Talence (33)

2009 : Bachelor's degree Genetic Improvement of Plant - ENFA-Toulouse (31).

2008 : Other diploma Plant improvement and Seed Technologies - AGRITEC Angers (49).



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Informations

30 years old

Driving license

Language

Technical English

Miscellaneous

Tap dancing

Upholstery (seat restoration)

Personality traits

Initiative

Creative

Thorough

Good communication skills

Dynamic