



## EMILIE VILLAR

Freelance in Bioanalysis  
and Environmental  
Genomics

### CONTACT

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www.emilievillar.com

### REFERENCES

13 publications

1st author in Science

Clients: Genoscope,  
ADA-AURA, MARE

### INTERESTS

StreetScience coordinator:  
scientific walks with  
Augmented Reality

Scientific consultant for Polly  
Maggo: an association to  
promote science and cinema

## PROFESSIONAL SKILLS

### Molecular Biology

DNA/RNA extraction. PCR/RT-qPCR. RNA-Seq library construction. Cloning. Sanger sequencing. Use of pipetting robot.

### Environmental Sciences

Design and set up of field and lab work. Physico-chemical description of the environment (both marine and terrestrial) Plant physiology experiments. Microscopy: section preparation and examination.

### Computer Sciences

Pack Office. Data mining (Bash/UNIX & Perl). Statistics and plot design (R). Workflow (Snakemake). Image analysis (ImageJ). Databases (Sqlite).

### Statistics

Parametric / Non-parametric tests. Multivariate analysis. Expert in metagenomics, transcriptomics and phenotyping.

### International Work

Highly proficient in spoken and written English. Work Packages steering in EU projects. International research program coordination (North America / Europe / Africa).

### Project Management

Work plan scheduling. Drafting of specifications, reports, scientific articles. Team supervision. Budget control and fundraising.

## WORK EXPERIENCE

2012-2018 CNRS – Marseille / Roscoff

Research associate in marine genomics

Project 1: Associate scientist to the *Tara* Oceans consortium

Project 2: Marine plankton resilience to thermal stress

2008-2011 CIRAD/INRA – Bordeaux

Research associate in forest sciences

Phenotypic and transcriptomic plasticity of eucalyptus

2006-2007 CRDPI – Pointe-Noire (Congo)

Engineer in forest genetics

Management of the eucalyptus improvement program

## EDUCATION

2008-2011 Université de Bordeaux I

PhD in environmental sciences

2004-2005 UPMC (Paris VI)

Master's degree in Genetics and Biodiversity Management

2001-2004 Université d'Avignon

Bachelor's degree in Phytoprotection and Crop Improvement