

**Thomas Jet**

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## **EDUCATION**

### **2017-2020 PhD, University Paris Descartes**

Subject : *Multiplex detection of miRNAs for early cancer diagnosis*

Molecular Biology, microfluidics, oncology

Supervisor : Dr Valérie TALY, TRAM group (UMRS 1147), Paris Descartes University

Collaboration with Dr Yannick RONDELEZ, Gulliver Lab (UMR 7083), ESPCI Paris

### **2016-2017 Paris 7 University and Pasteur Institute, Paris, France**

Cellular Biology and Therapeutic Targets Master of Science. Major: Proteins Biochemistry and Engineering.

### **2013-2017 ESPCI Paris, Paris, France**

Graduate engineering school of physics, chemistry and biology.

Major: Biotechnologies. High level courses in biophysics, cellular and molecular biology, synthetic biology.

-Master level Diplôme d'Ingénieur ESPCI Paris, obtained in September 2016.

-Advanced Master of Science and Technology, obtained in September 2017.

### **2011-2013 Lycée Chateaubriand, Rennes, France**

Two years in prep classes, selective, intensive, high-level preparation in physics, chemistry and mathematics for the nationwide competitive entrance exams to Grandes Ecoles.

Majors: Physics and Chemistry

## **LABORATORY INTERNSHIPS**

### **2017 CEA, Saclay, France**

Five-month research internship in molecular and microbiology.

Supervisor: Michel B. Toledano

Subject: *H<sub>2</sub>S-induced resistance to oxidative stress in yeasts.*

Gene deletion, cloning, oxidative stress response measurements.

### **2016 Konstanz University, Germany**

Three-month research internship, supervised by Prof. Dr. Georg Maret.

Subject: *Synthesis of monodisperse TiO<sub>2</sub> nanospheres for Anderson localization of light.*

Synthesis and analysis of TiO<sub>2</sub> nanospheres with a narrow size distribution.

**2015 Aérospatiale Batteries, Bourges, France**

Six-month Research and Development internship, in a company which makes batteries for spacecraft and defence.

Subject: *Phase-change materials for thermal management in thermal batteries.*

Design and characterization of novel phase-change based heat powders, increasing duration and performances of batteries.

**2014 SIMM laboratory, ESPCI Paris, France**

One-month research internship, supervised by Dr Matteo Ciccotti.

Subject: *Rheological dependence of crack energy during adhesives peeling.*

Mechanical measurements and computational analysis using Matlab.

Co-author, "Rate-dependant elastic hysteresis during the peeling of pressure- sensitive adhesives", *Soft Matter*, **2015**, 11, 3480.