

## **Geoffroy Poulet**

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geoffroy.poulet<at>parisdescartes.fr

25 years old

### **BIOGRAPHY AND RESEARCH INTERESTS**

Engineer in research and development in biotechnology, I continued my doctoral studies in the team of Dr. Taly Valerie on a theme related to the field of diagnosis for clinical oncology. My thesis topic is "Detecting Circulating DNA in healthy subjects and Patients with metastatic Cancer". During the project carried out within the laboratory, I gained expertise in the management of clinical studies, development of pre-analytical procedures dedicated to the analysis of the DNA circulating in blood samples, and also on circulating DNA analysis techniques, in particular on digital PCR technology.

Very attentive to the progress of the medical biology, my scientific interest 'centers are oriented towards translational medicine. I am very interested in the development of new tools and biomarkers for diagnosis as well as the release of new therapeutic molecules dedicated to oncology

### **CURRICULUM VITAE (updated Oct. 2019)**

#### **EXPERIENCES**

Feb.-July 2017 Internship in SANOFI - Vitry sur Seine - R&D engineer, Bio-imaging service

July- August 2015 LERES - Rennes, FR - Assistant research Engineer

April-June 2014 BIOCEANE- Medical Analysis Laboratory, Havre, FR - Technician

#### **ACADEMIC TRAINING**

Since 2018 CIFRE PhD, University Paris Descartes, Biomnis-Eurofin

2014 - 2017 School of industrial Biology engineering (Ecole de Biologie Industrielle, EBI) - major in research and application Recherche et Application - Cergy, FR

2012 - 2014 DUT "Génie Biologique" - Biochemical and biological analysis - Lille 1 university, FR

2010 - 2012 Medical and pharmaceutical undergraduate studies - University of Rouen, FR

July 2010 Scientific Baccalauréat, mention "Very Good"

## **COMPETENCIES**

Molecular Biology : Dot Blot, restriction analysis, transfection (lentivirus, transposon), PCR, qPCR (Taqman, SybrGreen), ddPCR, EMSA (DNA/Protein interactions), footprinting, sequencing (Sanger and NGS)

Immunology : Acquired/Innate immunity, T and B lymphocytes, lymphocyte mechanisms mécanisme lymphocytaire T et B, escape of immune system in oncology (PD-1, CTL4-A), auto-immune illnesses, immuno-analysis

Oncology : Cancers and mutations, molecular diagnosis (biomarkers) treatments

Informatic : Bio-informatics (AlignBlast, Sequence Manipulation Suite, Primer express software, Snapgene, geneious) - Pack office : Word, Excel, Access, PowerPoint

Statistics : analytical method validation (reproducibility, linéarity...), statistical tests (ANOVA, normal law...), control cards (CUSUM)

## **OTHERS**

Pilot : Wakeboard and water skiing at SNCM (Nautic Skiing club, MELUN, FR)

Teaching : Teacher at Acadomia in Maths/Physics/Chemistry in high school, April-December 2016

Sport : Wakeboard, snowboard, equitation

Entrepreneurship : Project "patch otite Subvinite" defended in front of MEDEF (January 016) and participation to the « Zee entrepreneur du Val d'oise Edition 2016 » contest

Spoken languages: French (maternal tongue), English (Fluent, TOEIC (825) in 2015), Spanish

## **PUBLICATIONS**

**Liquid biopsy: general concepts.** G. Poulet, J. Massias and V. Taly. Invited review, Acta cytologica (2019), pp. 1-7. IF: 0.88

**Digital PCR: principle and applications.** Poulet G. and Taly V. Onco-theranostic (2019), Invited review in French, In press.