

**An 18-months Engineer position in Microbiology and**

**Animal experimentations**

**Context**

An 18-months Engineer position funded by Satt-Paris-Saclay is available in the laboratory of Commensal and Probiotic Microorganisms-Host Interactions (Acronym ProbiHôte), Micalis Institute, INRAE, Jouy en Josas, France.

Following its 2020 call for projects, the SATT Paris ‐ Saclay (http://www.satt‐paris‐saclay.fr/) has confirmed its support for the “SUCCESS” maturation project carried by the MICALIS Institute, a research unit INRAE / AgroParisTech / Université Paris-Saclay. This project aims **to develop a human intestinal bacterium as a next-generation probiotic to prevent and to treat inflammatory bowel disease (IBD).**

**Main activities**

The two leaders of the SUCCESS project are looking for an engineer in animal experimentations and microbiology whose main missions will be:

- To isolate novel strains of the bacterium identified from human microbiota

- To optimize the growth of the intestinal bacterium (anaerobic culture)

- To test the effects of the intestinal bacterium in murine intestinal inflammation models

- To coordinate experiments evaluating the effect of the intestinal bacterium in NAFLD models which will be performed by an external service provider

**Expertises needed**

* Experience in microbiology (expertise in a anaerobic culture would be a plus)
* Experience in cell culture
* Animal experimentations (expertises in immunology and metabolism would be a plus).

**Expected skills**

* Microbiology techniques
* Molecular biology and biochemistry techniques (DNA extraction,PCR, qPCR, …)
* Animal experimentations
* Ability to produce and analyze results
* Ability to analyze scientific bibliography

**Researched profile**

Ideally a 5-years degree (Master 2, Engineer school in biology or equivalent) Microbiologist with a solid experience in animal experimentations.

**Required qualities**

* Enthusiasm, reliability, technical thoroughness, rigor
* Good listening to others and good ability to express oneself

**Location:** The workplace is the Micalis Institute located at the INRAE Center in Jouy en Josas (78350)

**Fixed-term contract:** 18 months.

**Salary range:** between 1900 and 2000 € (monthly net)

**Desired starting date:** No later than March 1st, 2021

**Contacts:** Send your CV, a cover letter and the names/coordinates of 2 referees by email to the two project leaders:

Philippe Langella: philippe.langella@inrae.fr

Harry Sokol: harry.sokol@gmail.com